RF Coaxial Cable, Leaky Coaxial Cable and Accessories

Smart Link Better Life.

Smart Link Better Life.

Yangtze Optical Fibre and Cable Joint Stock Limited Company (also known as 'YOFC') established in Wuhan, Hubei Province in May 1988, is a technologically innovative enterprise specializing in optical fibre preforms, optical fibres, optical fibre cables and integrated solutions, and also a global leading supplier in these areas.

YOFC was listed in the Hong Kong Stock Exchange on December 10, 2014(Stock Code: 06869.HK), and listed in the Shanghai Stock Exchange on July 20, 2018 (Stock Code: 601869.SH), and is the only A&H shares company in China's optical fibre and cable industry as well as the first one in Hubei Province.

YOFC mainly produces and sells different types of optical fibre preforms, optical fibres and optical fibre cables that are widely applied in telecommunications industry, customized optical modules, specialty optical fibres, active optical cables, submarine cables, RF coaxial cables and accessories, etc. YOFC is also equipped with some solutions and services such as system integration and communication engineering design. Providing a variety of different products and solutions for world's telecommunications industry and other industries (e,g. Public utility, Transportation, Oil & Chemistry and Medication etc.) , YOFC has offered its products and services to over 90 countries and regions around the world.

Through introduction, digestion, absorption and re-innovation since its establishment, YOFC has carried out a way to successfully revitalize national industry. YOFC has mastered 3 types of optical fibre preform manufacturing technology (PCVD/VAD/OVD), and honored many awards & reputations such as National Enterprise Technical Center, the 9th place in the 2020 Top 100 Intelligent Manufacturing Enterprises in China, the Second Class National Science and Technology Progress Award(3 times), the China Quality Award, the European Quality Award, etc. In addition, YOFC has obtained over 1000 invention patents at home and abroad, and was nominated the support organization for State Key Laboratory in optical fibre and optical fibre cable manufacturing technology. It's also one of the significant members in ITU-T and IEC in setting international standards.

Adhering to the mission of 'Smart Link Better Life', YOFC devotes itself to becoming the leader in information transmission and smart links through its core value 'Client Focus Accountability Innovation Stakeholder Benefits', and builds its strategies in the following 5 aspects: Overall business growth; Internationalization; Diversification; Technological innovation & digital transformation; Synergy growth of capital operation.

Contents



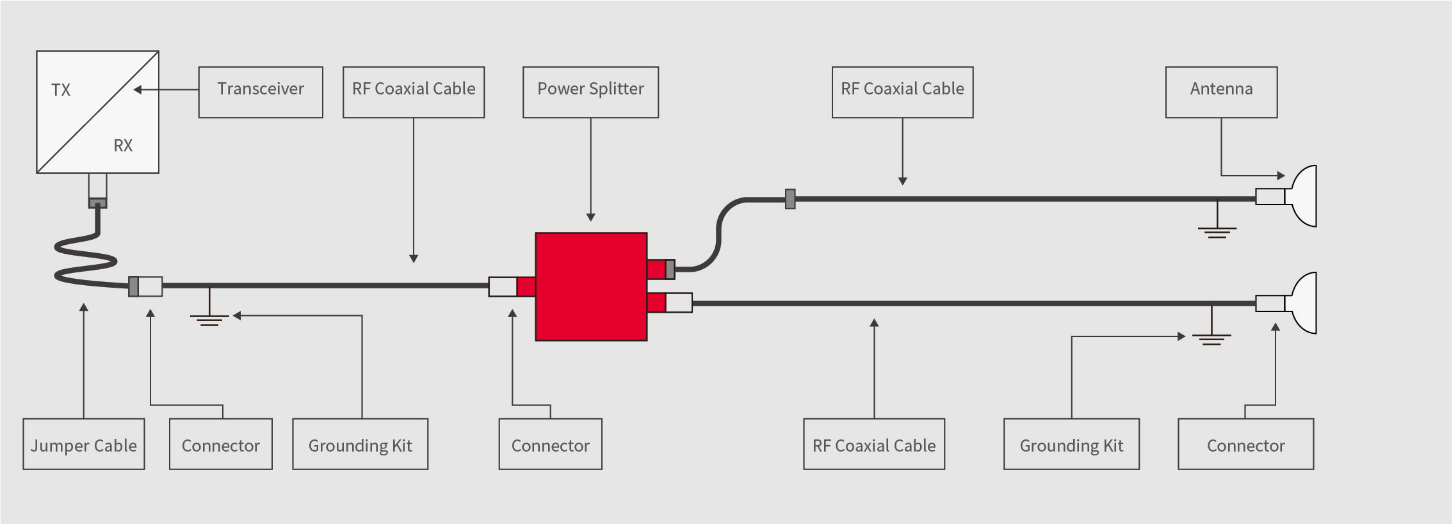
31 Accesssories

RF Coaxial Cable

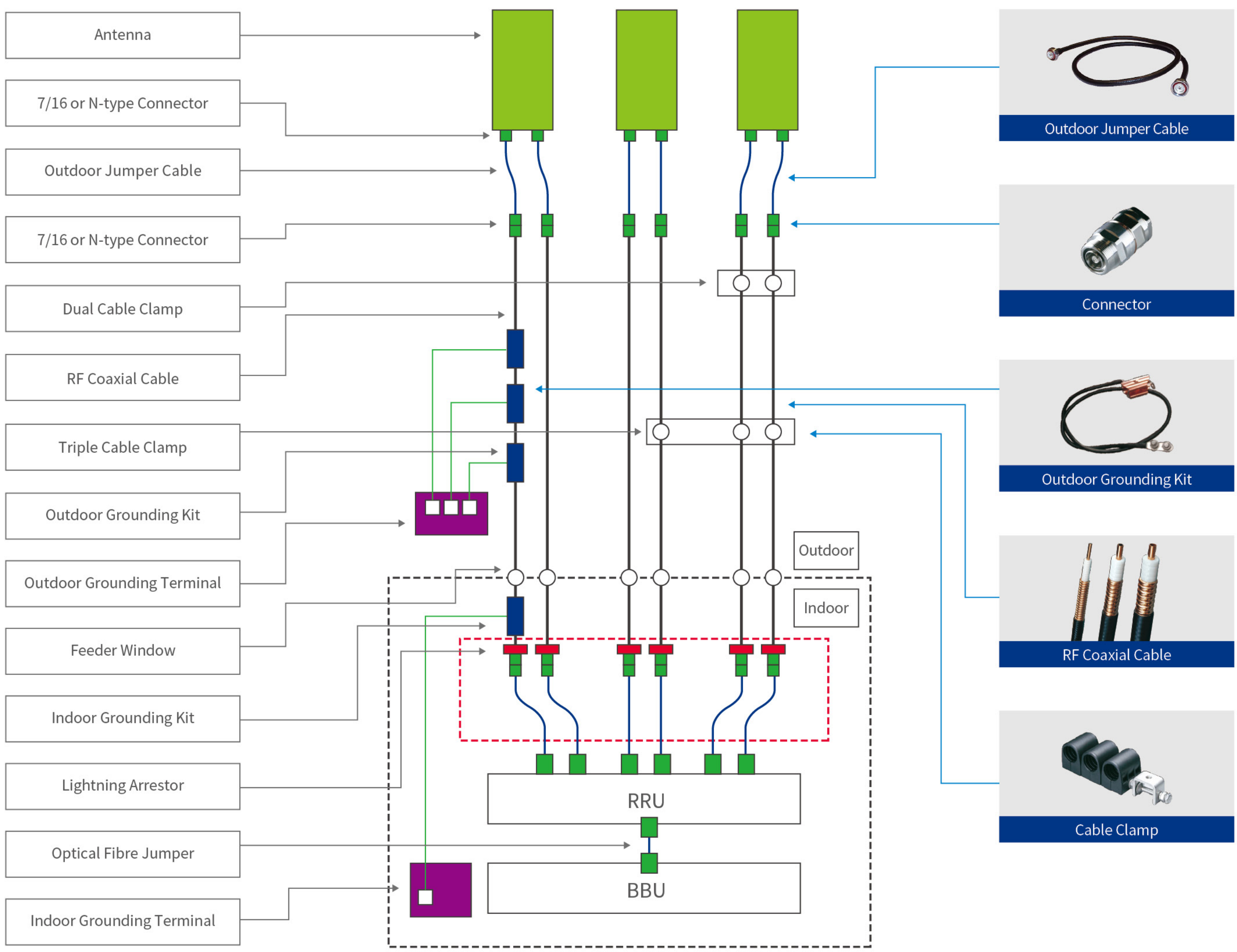
Physical Dimension

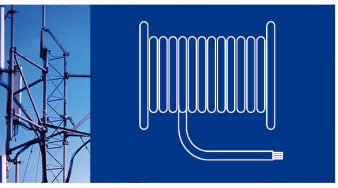
	Inner Conductor	Dielectric	Outer Conductor	Jacket
RF 1/2" RF Coaxial Cable	4.80mm	12.10mm	13.90mm	16.00mm
RFF 1/2" Superflexible RF Coaxial Cable	3.55mm	9.00mm	11.90mm	13.50mm
RFF 1/3" Superflexible RF Coaxial Cable	2.65mm	6.80mm	7.60mm	8.80mm
RF 7/8" RF Coaxial Cable	9.00mm	22.20mm	24.90mm	27.50mm
RFA 7/8" RF Coaxial Cable	9.40mm	22.50mm	25.40mm	27.80mm
RFA 1 1/4" RF Coaxial Cable	13.00mm	32.20mm	35.80mm	39.00mm
RFA 1 5/8" RF Coaxial Cable	17.60mm	42.20mm	46.30mm	50.00mm

Indoor Distributed Antenna System (DAS)



Outdoor Distributed Antenna System (DAS)

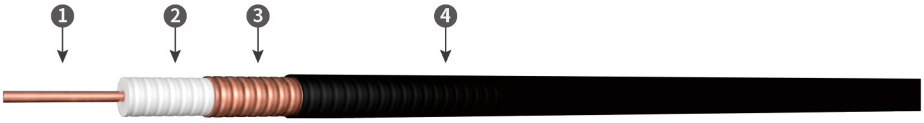




RF 1/2"
RF Coaxial Cable

Cable Type: RF 1/2"-50(BHF) HCAAY(Z)-50-12

1. CCA
2. Foamed PE Dielectric
3. Ring Corrugated Cu-tube
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	50 ± 1Ω
Return Loss for	
·320 – 480 MHz	As specified by customer
·700 – 960 MHz	As specified by customer
·1700 – 1880 MHz	As specified by customer
·1880 – 2180 MHz	As specified by customer
·2300 – 3000 MHz	As specified by customer
·3300 – 3700 MHz	As specified by customer
·4800 – 5000 MHz	As specified by customer
Other Bands Also Available on Request	
Attenuation	See table
Velocity factor	0.88
Capacitance	76 pF/m
Maximum frequency	9800 MHz
Max power rating	See table
Peak RF voltage rating	1.8 kV
Peak power rating	25.9 kW

Attenuation and Power Rating

Frequency(MHz)		10	30	50	100	200	300	400	450	500	600	700	800	900	950	1000
Attenuation Ambient temperature +20°C dB/100m	Typical	0.669	1.17	1.51	2.16	3.09	3.83	4.45	4.74	5.01	5.53	6.01	6.45	6.88	7.09	7.29
Power rating ambient +40°C inner conductor +100°CKW		12	6.9	5.3	3.7	2.6	2.1	1.8	1.7	1.6	1.5	1.3	1.2	1.2	1.1	1.1

Frequency(MHz)		1200	1400	1600	1800	1900	2000	2200	2400	2600	2800	3000	3500	4000	6000
Attenuation Ambient temperature +20°C dB/100m	Typical	8.05	8.77	9.44	10.1	10.4	10.7	11.3	11.9	12.4	12.9	13.5	14.7	15.9	20.2
Power rating ambient +40°C inner conductor +100°CKW		1.0	0.90	0.84	0.79	0.76	0.74	0.70	0.66	0.63	0.61	0.58	0.54	0.48	0.39

Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
230kg/km	20N/mm	1130N	80 mm	125 mm	-55°C to +80°C	See Jacketing Options

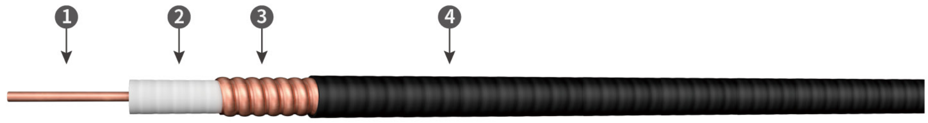
Jacketing Options

Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
HCAAY-50-12	Black polyethylene	Yes	No	No	-40°C
HCAAYZ-50-12	Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20°C

RFF 1/2"
Superflexible RF Coaxial Cable

Cable Type: RFF 1/2" -50(BHF) HCAHY(Z)-50-9

1. CCA
2. Foamed PE Dielectric
3. Cu-tube, hellically corrugated
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	50 ± 1Ω
Return Loss for	
320 – 480 MHz	As specified by customer
700 – 960 MHz	As specified by customer
1700 – 1880 MHz	As specified by customer
1880 – 2180 MHz	As specified by customer
2300 – 3000 MHz	As specified by customer
3300 – 3700 MHz	As specified by customer
4800 – 5000 MHz	As specified by customer
Other Bands Also Available on Request	
Attenuation	See table
Velocity Factor	0.81
Capacitance	83 pF/m
Maximum Frequency	12 GHz
Max Power Rating	See table
Peak RF Voltage Rating	1.39 kV
Peak Power Rating	19.0 kW

Attenuation and Power Rating

Frequency (MHz)		10	50	100	200	300	400	450	500	700	800	900	950	1000
Attenuation Ambient temperature +20°C dB/100m	Typical	0.99	2.22	3.16	4.56	5.59	6.56	7.01	7.44	8.83	9.5	10.1	10.4	10.7
Power rating ambient +40°C inner conductor +100°CKW		8.4	3.7	2.6	1.8	1.4	1.2	1.2	1.1	0.91	0.85	0.79	0.77	0.75

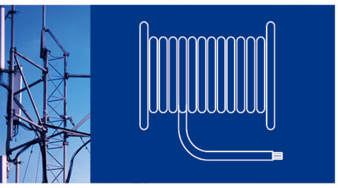
Frequency (MHz)		1400	1600	1800	1900	2000	2200	2400	2600	2800	3000	3500	4000	6000
Attenuation Ambient temperature +20°C dB/100m	Typical	12.8	13.8	14.8	15.2	15.6	16.4	17.2	18.1	18.8	19.6	21.4	23.1	29.4
Power rating ambient +40°C inner conductor +100°CKW		0.62	0.58	0.54	0.52	0.51	0.48	0.46	0.44	0.42	0.40	0.36	0.34	0.27

Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
190kg/km	19N/mm	800N	15 mm	50 mm	-55°C to +80°C	See Jacketing Options

Jacketing Options

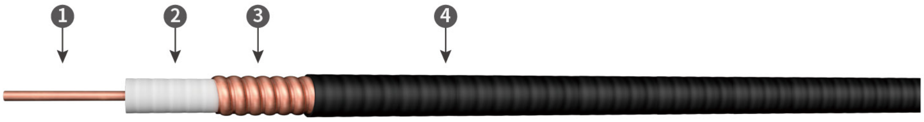
Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
HCAHY -50-9	Black polyethylene	Yes	No	No	-40°C
HCAHYZ -50-9	Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20°C



RFF 1/3"
Superflexible RF Coaxial Cable

Cable Type: RFF 1/3-50LA

1. CCA
2. Foamed PE Dielectric
3. Cu-tube, hellically corrugated
4. PE Jacket



Electrical Characteristics at +20°C

Characteristic Impedance	50 ± 1Ω
Return Loss for	
10 – 400 MHz	As specified by customer
400 – 1000 MHz	As specified by customer
1000 – 2200 MHz	As specified by customer
2200 – 2700 MHz	As specified by customer
2700 – 4000 MHz	As specified by customer
4000 – 4200 MHz	As specified by customer
4200 – 4600 MHz	As specified by customer
Other Bands Also Available on Request	
Attenuation	See table
Velocity factor	0.85
Capacitance	77pF/m
Maximum frequency	6 GHz
Max power rating	See table

Attenuation and Power Rating

Frequency(MHz)		800	894	1000	1800	2000	2200	2500	2700	3500	5000	6000
Attenuation Ambient temperature +20°C dB/100m	Typical	12.50	13.20	14.00	19.00	20.05	21.00	22.50	23.40	26.80	32.70	36.20
Power rating ambient +40°C inner conductor +100°CKW		0.48	0.45	0.42	0.31	0.29	0.28	0.26	0.25	0.21	0.18	0.15

Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
90kg/km	12N/mm	700N	30 mm	50 mm	-55°C to +80°C	See Jacketing Options

Jacketing Options

Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
RFF 1/3-50LA	Black polyethylene	Yes	No	No	-40°C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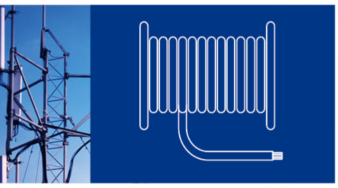
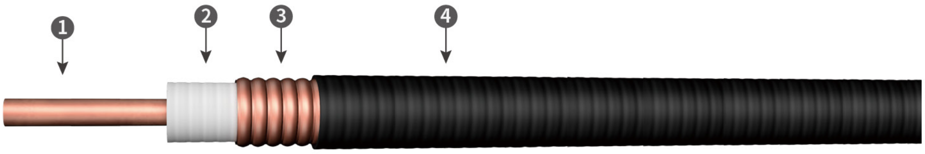


RF 7/8"
RF Coaxial Cable

Cable Type: RF 7/8" -50(BHF) HCTAY(Z)-50-22

1. Smooth Copper Tube
2. Foamed PE Dielectric
3. Ring Corrugated Cu-tube
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	50 ± 1Ω
Return Loss for	
320 – 480 MHz	As specified by customer
700 – 960 MHz	As specified by customer
1700 – 1880 MHz	As specified by customer
1880 – 2180 MHz	As specified by customer
2300 – 3000 MHz	As specified by customer
3300 – 3700 MHz	As specified by customer
4800 – 5000 MHz	As specified by customer
Other Bands Also Available on Request	
Attenuation	See table
Velocity factor	0.88
Capacitance	76 pF/m
Maximum frequency	5300 MHz
Max power rating	See table
Peak RF voltage rating	3.2 kV
Peak power rating	94.8 kW

Attenuation and Power Rating

Frequency(MHz)		10	30	50	100	200	300	400	450	500	600	700	800	900	950	1000
Attenuation Ambient temperature +20°C dB/100m	Typical	0.36	0.629	0.817	1.17	1.67	2.07	2.42	2.57	2.72	3.00	3.26	3.51	3.74	3.86	3.97
Power rating ambient +40°C inner conductor +100°CKW		26	15	12	8.0	5.6	4.5	3.8	3.6	3.4	3.1	2.8	2.6	2.5	2.4	2.3

Frequency(MHz)		1200	1400	1600	1800	1900	2000	2200	2400	2600	2800	3000	3500	4000	5000
Attenuation Ambient temperature +20°C dB/100m	Typical	4.39	4.78	5.15	5.51	5.68	5.85	6.18	6.49	6.80	7.09	7.38	8.07	8.75	10.0
Power rating ambient +40°C inner conductor +100°CKW		2.1	1.9	1.8	1.7	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9

Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
500kg/km	14N/mm	1500N	120 mm	250 mm	-55°C to +80°C	See Jacketing Options

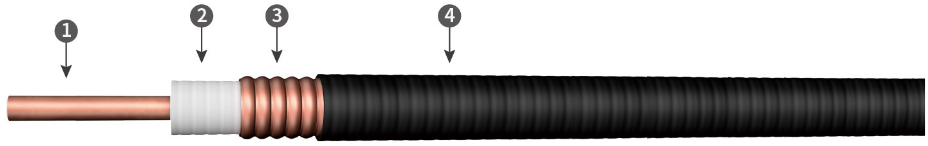
Jacketing Options

Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
HCTAY-50-22	Black polyethylene	Yes	No	No	-40°C
HCTAYZ-50-22	Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20°C

RFA 7/8"
Low Attenuation RF Coaxial Cable

Cable Type: RFA 7/8" -50(BHF) HCTAY(Z)-50-23

1. Smooth Copper Tube
2. Foamed PE Dielectric
3. Ring Corrugated Cu-tube
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	50 ± 1Ω
Return Loss for	
320 – 480 MHz	As specified by customer
700 – 960 MHz	As specified by customer
1700 – 1880 MHz	As specified by customer
1880 – 2180 MHz	As specified by customer
2300 – 3000 MHz	As specified by customer
3300 – 3700 MHz	As specified by customer
4800 – 5000 MHz	As specified by customer
Other Bands Also Available on Request	
Attenuation	See table
Velocity factor	0.88
Capacitance	76 pF/m
Maximum frequency	5100 MHz
Max power rating	See table
Peak RF voltage rating	3.2 kV
Peak power rating	92 kW

Attenuation and Power Rating

Frequency(MHz)		10	30	50	100	200	300	400	450	500	600	700	800	900	950	1000
Attenuation Ambient temperature +20°C dB/100m	Typical	0.348	0.607	0.787	1.12	1.61	1.98	2.31	2.46	2.6	2.86	3.11	3.34	3.56	3.66	3.77
Power rating ambient +40°C inner conductor +100°CKW		27	15	12	8.3	5.8	4.7	4.0	3.8	3.6	3.2	3.0	2.8	2.6	2.5	2.5

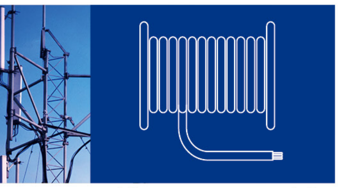
Frequency(MHz)		1200	1400	1600	1800	1900	2000	2200	2400	2600	2800	3000	3500	4000	5000
Attenuation Ambient temperature +20°C dB/100m	Typical	4.16	4.52	4.87	5.20	5.36	5.51	5.81	6.11	6.39	6.66	6.93	7.55	8.17	9.3
Power rating ambient +40°C inner conductor +100°CKW		2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0

Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
510kg/km	14N/mm	1700N	120 mm	250 mm	-55°C to +80°C	See Jacketing Options

Jacketing Options

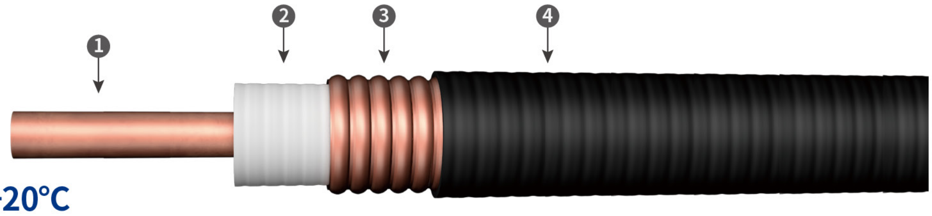
Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
HCTAY-50-23	Black polyethylene	Yes	No	No	-40°C
HCTAYZ-50-23	Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20°C



RFA 1 1/4"
RF Coaxial Cable

Cable Type: RFA 1 1/4" -50(BHF) HCTAY(Z)-50-32

1. Smooth Copper Tube
2. Foamed PE Dielectric
3. Ring Corrugated Cu-tube
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic impedance	50 ± 1Ω
Return loss for	
320 – 480 MHz	As specified by customer
700 – 960 MHz	As specified by customer
1700 – 1880 MHz	As specified by customer
1880 – 2180 MHz	As specified by customer
2300 – 3000 MHz	As specified by customer
3300 – 3700 MHz	As specified by customer
Other bands also available on request	
Attenuation	See table
Velocity factor	0.88
Capacitance	76 pF/m
Maximum frequency	3500 MHz
Max power rating	See table
Peak RF voltage rating	4.6 kV
Peak power rating	211 kW

Attenuation and Power Rating

Frequency(MHz)		10	30	50	100	200	300	400	450	500	700	800	900	950	1000
Attenuation Ambient temperature +20°C dB/100m	Typical	0.25	0.439	0.571	0.819	1.18	1.47	1.72	1.83	1.94	2.34	2.53	2.70	2.79	2.87
Power rating ambient +40°C inner conductor +100°CKW		41	23	18	12	8.5	6.8	5.8	5.4	5.1	4.2	3.9	3.7	3.6	3.5

Frequency(MHz)		1200	1400	1600	1800	1900	2000	2200	2400	2600	2800	3000	3300	3500	3700
Attenuation Ambient temperature +20°C dB/100m	Typical	3.18	3.48	3.76	4.03	4.16	4.29	4.54	4.79	5.02	5.26	5.48	5.84	6.05	6.40
Power rating ambient +40°C inner conductor +100°CKW		3.1	2.8	2.6	2.4	2.4	2.3	2.2	2.0	1.9	1.9	1.8	1.7	1.6	1.5

Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
900kg/km	24N/mm	2500N	200 mm	350 mm	-55°C to +80°C	See Jacketing Options

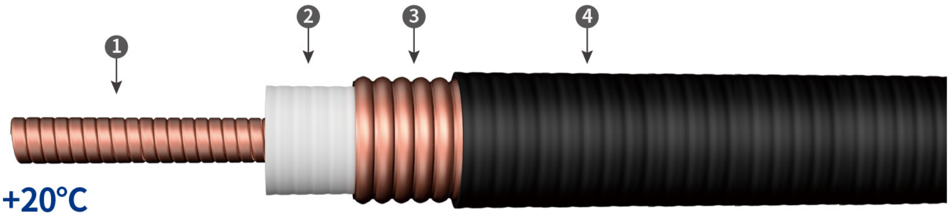
Jacketing Options

Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
HCTAY-50-32	Black polyethylene	Yes	No	No	-40°C
HCTAYZ-50-32	Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20°C

RFA 1 5/8"
RF Coaxial Cable

Cable Type: RFA 1 5/8”-50(BHF) HHTAY(Z)-50-42

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Ring Corrugated Cu-tube
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic impedance	50 ± 1Ω
Return loss for	
320 – 480 MHz	As specified by customer
700 – 960 MHz	As specified by customer
1700 – 1880 MHz	As specified by customer
1880 – 2180 MHz	As specified by customer
2300 – 2700 MHz	As specified by customer
Other bands also available on request	
Attenuation	See table
Velocity factor	0.88
Capacitance	76 pF/m
Maximum frequency	2800 MHz
Max power rating	See table
Peak RF voltage rating	5.6 kV
Peak power rating	314 kW

Attenuation and Power Rating

Frequency(MHz)		10	30	50	100	200	300	400	450	500	600	700	800	850
Attenuation Ambient temperature +20°C dB/100m	Typical	0.197	0.346	0.452	0.653	0.950	1.19	1.40	1.49	1.59	1.76	1.93	2.08	2.16
Power rating ambient +40°C inner conductor +100°CKW		57	32	25	17	12	9.3	7.9	7.4	7.0	6.2	5.7	5.3	5.1

Frequency(MHz)		900	950	1000	1200	1400	1600	1800	1900	2000	2200	2400	2600	2800
Attenuation Ambient temperature +20°C dB/100m	Typical	2.23	2.30	2.38	2.65	2.91	3.16	3.40	3.51	3.63	3.85	4.07	4.28	4.50
Power rating ambient +40°C inner conductor +100°CKW		4.9	4.8	4.6	4.1	3.8	3.5	3.2	3.1	3.0	2.8	2.7	2.5	2.4

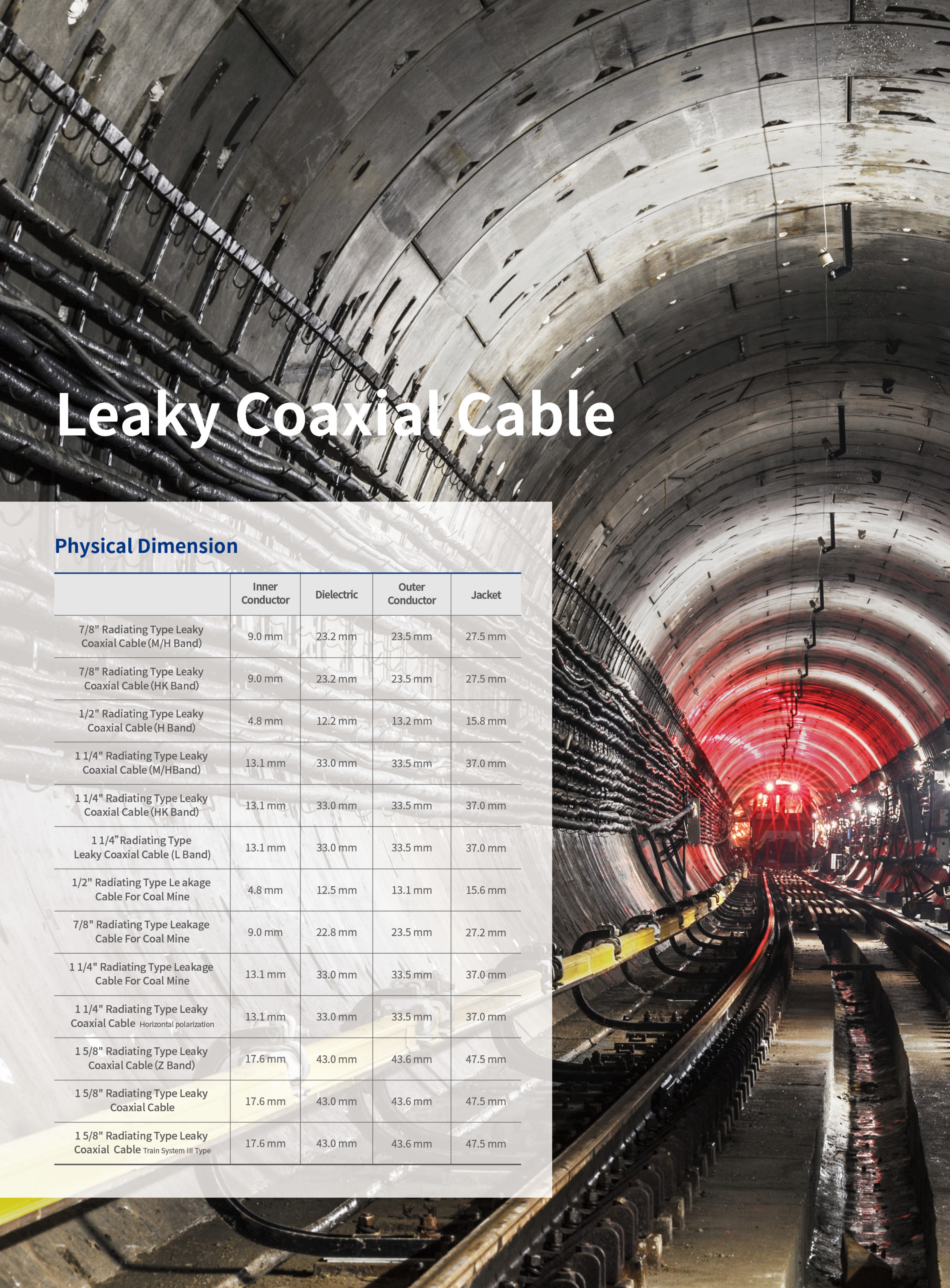
Mechanical Characteristics

Weight	Crush Resistance	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Min. installation temperature
1160kg/km	20N/mm	3000N	250 mm	500 mm	-55°C to +80°C	See Jacketing Options

Jacketing Options

Type	Jacket	IEC60754-1/-2 halogen free,noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
HHTAY-50-42	Black polyethylene	Yes	No	No	-40°C
HHTAYZ-50-42	Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20°C


Max load

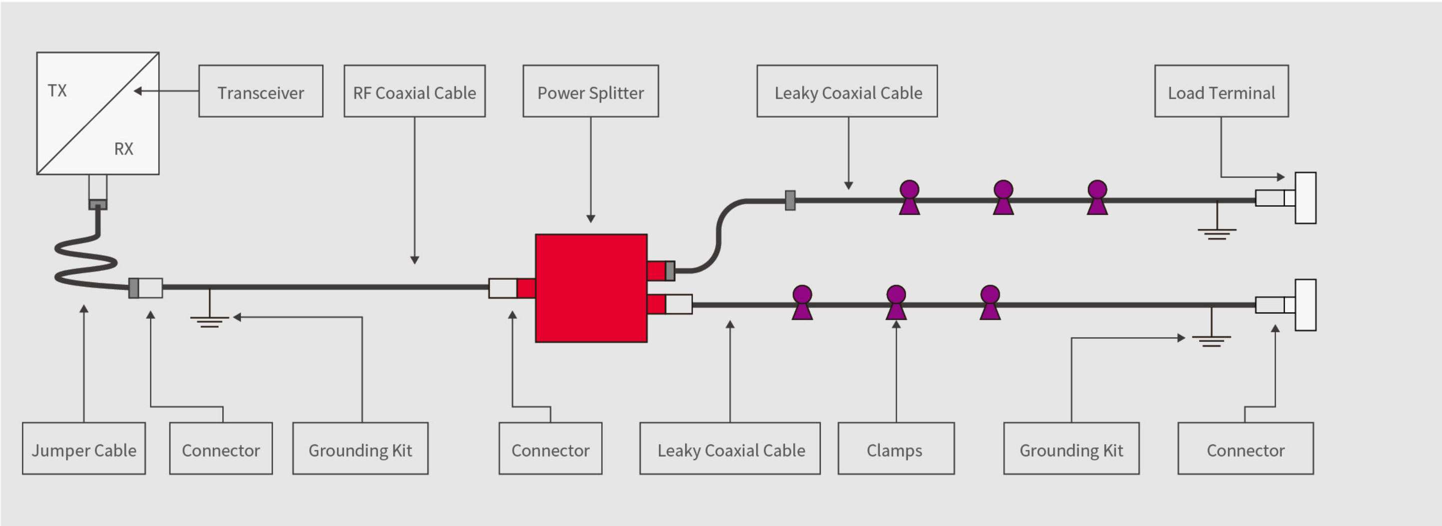


Leaky Coaxial Cable

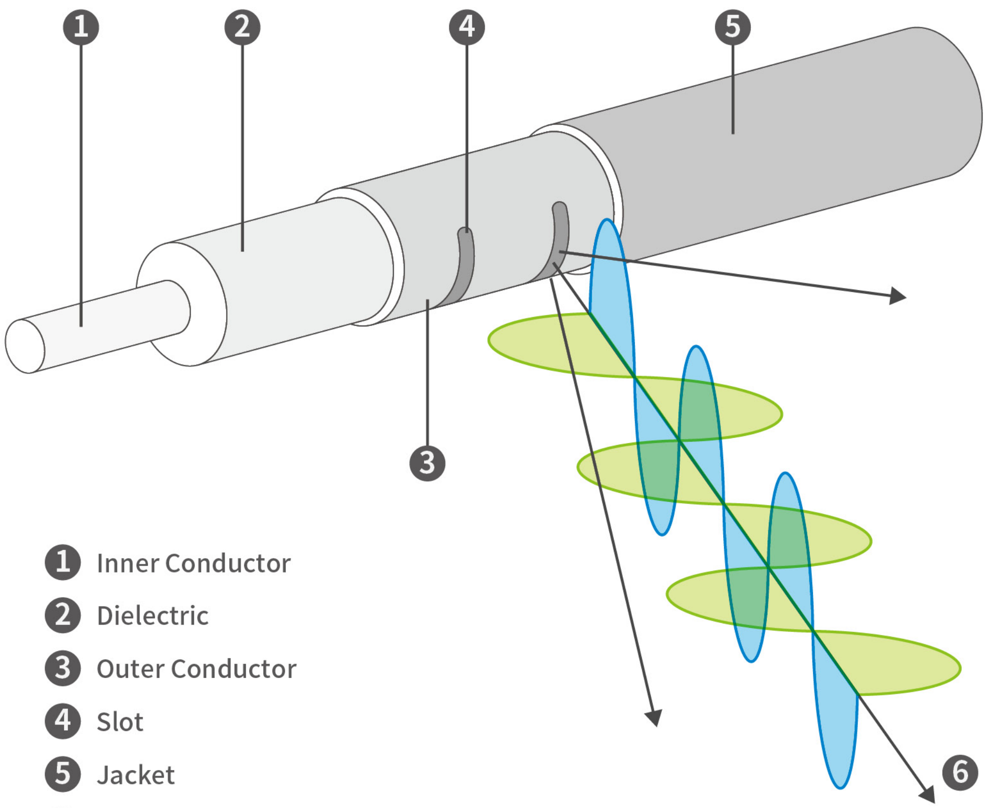
Physical Dimension

	Inner Conductor	Dielectric	Outer Conductor	Jacket
7/8" Radiating Type Leaky Coaxial Cable (M/H Band)	9.0 mm	23.2 mm	23.5 mm	27.5 mm
7/8" Radiating Type Leaky Coaxial Cable (HK Band)	9.0 mm	23.2 mm	23.5 mm	27.5 mm
1/2" Radiating Type Leaky Coaxial Cable (H Band)	4.8 mm	12.2 mm	13.2 mm	15.8 mm
1 1/4" Radiating Type Leaky Coaxial Cable (M/HBand)	13.1 mm	33.0 mm	33.5 mm	37.0 mm
1 1/4" Radiating Type Leaky Coaxial Cable (HK Band)	13.1 mm	33.0 mm	33.5 mm	37.0 mm
1 1/4" Radiating Type Leaky Coaxial Cable (L Band)	13.1 mm	33.0 mm	33.5 mm	37.0 mm
1/2" Radiating Type Le akage Cable For Coal Mine	4.8 mm	12.5 mm	13.1 mm	15.6 mm
7/8" Radiating Type Leakage Cable For Coal Mine	9.0 mm	22.8 mm	23.5 mm	27.2 mm
1 1/4" Radiating Type Leakage Cable For Coal Mine	13.1 mm	33.0 mm	33.5 mm	37.0 mm
1 1/4" Radiating Type Leaky Coaxial Cable Horizontal polarization	13.1 mm	33.0 mm	33.5 mm	37.0 mm
1 5/8" Radiating Type Leaky Coaxial Cable (Z Band)	17.6 mm	43.0 mm	43.6 mm	47.5 mm
1 5/8" Radiating Type Leaky Coaxial Cable	17.6 mm	43.0 mm	43.6 mm	47.5 mm
1 5/8" Radiating Type Leaky Coaxial Cable Train System III Type	17.6 mm	43.0 mm	43.6 mm	47.5 mm

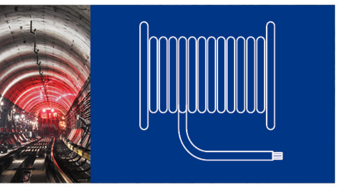
Coaxial Antenna System (CAS)



Transmission Principle of Leaky Coaxial Cable



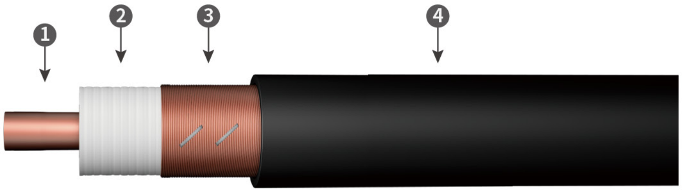
1. Inner Conductor
2. Dielectric
3. Outer Conductor
4. Slot
5. Jacket
6. Electromagnetic Wave



7/8" Radiating Type Leaky Coaxial Cable（M/H Band）

Cable Type: HLRCTCY(Z)-50-22M/H

1. Smooth Copper Tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2 Ω	0.88	76 pF/m	＞5000 MΩ.km	10000 V	8000 V

VSWR

M Band	Frequency (MHz)	100~200	320~480	680~700	790~960
	VSWR (Max)	1.30			

H Band	Frequency (MHz)	790~960	1700~1900	1920~2025	2110~2200	2300~2500	2560~2620
	VSWR (Max)	1.30		1.40			

Attenuation and Coupling Loss

	Frequency (MHz)	Attenuation dB/100m(+20°C)	Coupling Loss (95%) dB
M Band	75	1.33	70
	150	1.62	73
	350	2.86	67
	450	3.14	69
	700	3.90	69
	800	4.48	70
	900	4.95	70
	960	5.05	68
H Band	700	3.52	80
	800	4.10	75
	900	4.48	75
	960	4.57	72
	1800	8.38	70
	1900	8.48	66
	2000	9.52	68
	2200	10.95	70
	2400	12.67	68
	2600	13.24	63
	2620	14.38	65

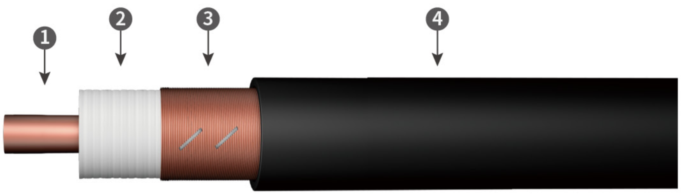
Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
500kg/km	1300N	250 mm	300 mm	-40°C to +70°C	PE: -40°C LSZH: -20°C

7/8" Radiating Type Leaky Coaxial Cable（HK Band)

Cable Type: HLRCTCYZ-50-22HK

1. Smooth Copper Tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20℃

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50±2Ω	0.88	76 pF/m	＞5000 MΩ.km	10000 V	8000 V

VSWR

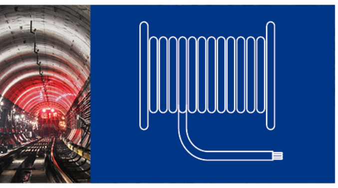
Frequency (MHz)	698~960	1700~1900	1920~2025	2110~2200	2300~2400	2515~2670	3300-3700
VSWR (Max)	1.30		1.40				

Attenuation and Coupling Loss

	Frequency (MHz)	Attenuation dB/100m(+20°C)	Coupling Loss (95%) dB
HK Band	700	3.6	84
	800	3.8	82
	900	4.1	80
	1800	6.5	74
	1900	6.8	74
	2000	7.2	73
	2200	7.4	72
	2400	8.1	72
	2600	8.6	70
	2700	9.0	70
	3300	10.9	70
	3400	11.3	70
	3500	12.0	70
	3600	12.7	70
	3700	14.0	74

Mechanical Characteristics

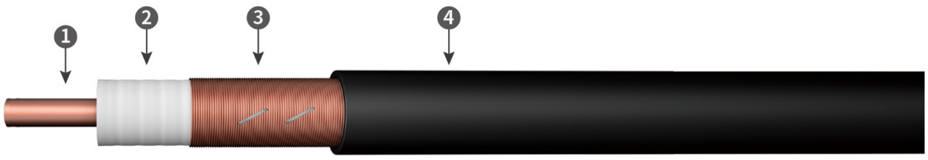
Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
500kg/km	1300N	250 mm	300 mm	-40°C to +70°C	PE: -40°C LSZH: -20°C



1/2" Radiating Type Leaky Coaxial Cable（H Band)

Cable Type: HLRCACY(Z)-50-12H

1. CCA
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2 Ω	0.88	76 pF/m	＞5000 MΩ.km	6000 V	8000 V

VSWR

Frequency (MHz)	790~960	1700~1900	1900~2050	2100~2200	2300~2500	2500~2700
VSWR (Max)	1.30		1.40			

Attenuation and Coupling Loss

	Frequency (MHz)	Attenuation dB/100m(+20°C)	Coupling Loss (95%) dB
H Band	800	7.09	84
	900	7.67	82
	1800	13.88	70
	1900	14.56	71
	2000	15.24	72
	2200	16.21	71
	2400	17.09	72
	2600	18.06	69
	2700	18.35	70

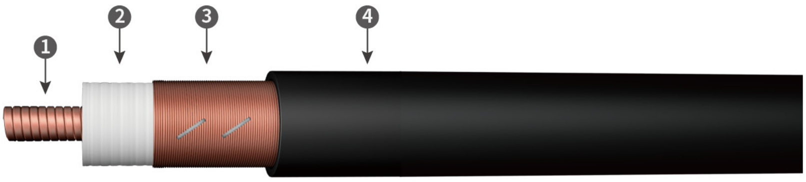
Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
210kg/km	1000N	125 mm	350 mm	-40°C to +70°C	PE: -40°C LSZH: -20°C

1 1/4" Radiating Type Leaky Coaxial Cable（M/H Band）

Cable Type: RFXT 1 1/4" -50M/H(BHF) HLRHTCY(Z)-50-32M/H

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20℃

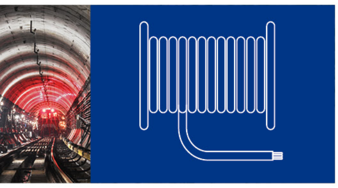
Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2 Ω	0.88	76 pF/m	＞5000 MΩ.km	10000 V	10000 V

Attenuation and Coupling Loss

	Frequency(MHz)	Attenuation dB/100m(+20°C)	Coupling Loss(95%) dB
M Band	75	0.67	64
	150	1.05	74
	350	1.71	77
	450	2.00	73
	700	2.57	75
	800	2.86	63
	900	3.14	64
	960	3.24	75
H Band	700	2.19	77
	800	2.57	73
	900	2.95	68
	960	3.05	63
	1800	4.76	67
	1900	5.33	63
	2000	5.52	67
	2200	5.90	67
	2400	7.43	66
	2600	7.62	71
	2620	7.90	71

Mechanical Characteristics

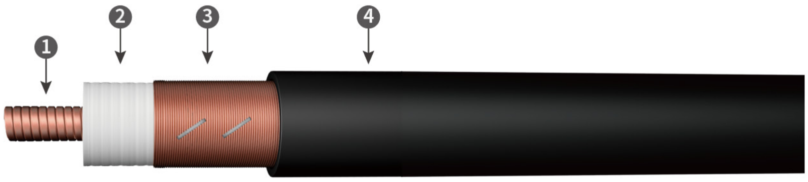
Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
610kg/km	2000N	400 mm	500 mm	-40°C to +70°C	PE: -40°C LSZH: -20°C



1 1/4" Radiating Type Leaky Coaxial Cable（HK Band）

Cable Type: HLRHTCYZ-50-32HK

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2 Ω	0.88	76 pF/m	＞10000 MΩ.km	10000 V	10000 V

VSWR

Frequency (MHz)	698~960	1700~1900	1920~2025	2110~2170	2300~2700	3300-3700
VSWR (Max)	1.30		1.40			

Attenuation and Coupling Loss

Frequency (MHz)	700	800	900	1800	1900	2000	2200	2400	2600	2700	3300	3400	3500	3600	3700
Attenuation dB/100m(+20°C)	2.4	2.6	2.8	4.2	4.4	4.6	4.8	5.2	5.6	5.8	7.0	7.2	7.5	7.7	8.1
Coupling Loss (95%) dB	85	83	80	73	73	72	72	71	70	69	69	69	68	68	68

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
610kg/km	2000N	300 mm	400 mm	-55°C to +85°C	PE: -40°C LSZH: -20°C

Standard Test Conditions

Test Methods for Attenuation	Test Methods for Coupling Loss
IEC 61196-4	IEC 61196-4

Polarization Method

700-3700MHz	Vertical polarization

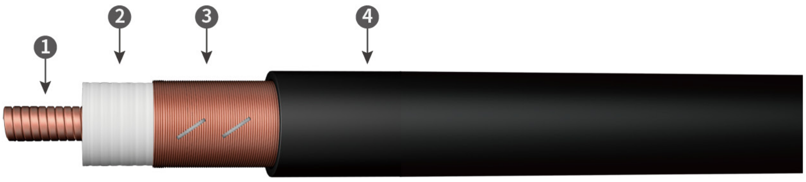
Management Commitment/Verification

Passed		
ISO 9001	ISO 14001	ISO 45001

1 1/4" Radiating Type Leaky Coaxial Cable（L Band）

Cable Type: HLRHTCYZ-50-32L

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20℃

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2 Ω	0.88	76 pF/m	＞10000 MΩ.km	10000 V	10000 V

VSWR

Frequency (MHz)	1700~1900	1920~2025	2110~2200	2300~2400	2515~2675	3300-3700
VSWR (Max)	1.30	1.40				

Combined loss

Frequency (MHz)	200m	250m	300m	350m
1700	80	84	86	89
1800	79	81	83	85
1900	79	81	83	85
2000	79	81	83	85
2200	79	81	84	86
2400	78	81	84	86
2600	78	80	83	86
2700	79	81	83	86
3300	80	83	85	87
3400	80	83	85	87
3500	80	83	86	88
3600	80	83	87	91
3700	82	86	90	94

Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
610kg/km	2000N	300 mm	400 mm	-55℃ to +85℃	PE: -40℃ LSZH: -20℃

Standard Test Conditions

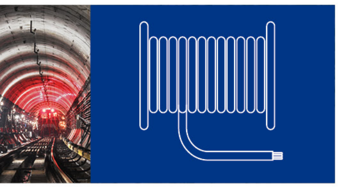
Test Method For Fame Retardancy	Test Methods For Smoke Index	Test Methods For Toxicity Index	System Loss Test Method
IEC 60332-1	IEC 61034	IEC 60754-1/IEC 60754-2	YD/T 2491

Polarization Method

1700-3700MHz	Vertical polarization

Management Commitment/Verification

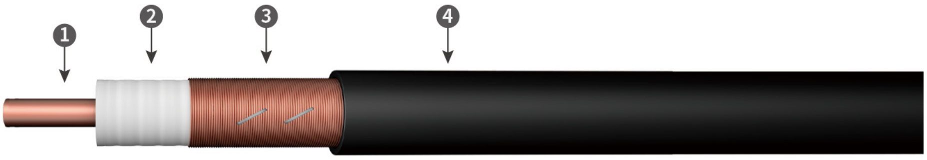
Passed		
ISO 9001	ISO 14001	ISO 45001



1/2" Radiating Type Leakage Cable For Coal Mine

Cable Type: MSLYWYZ-50-12

1. CCA
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50±2Ω	0.88	76 pF/m	>5000 MΩ.km	6000 V	8000 V

VSWR

Frequency (MHz)	75~200	698-960	1700-1900	1920-2025	2110-2170	2300-2700
VSWR (Max)	1.30	1.30		1.40		

Attenuation and Coupling Loss

Frequency (MHz)	Attenuation dB/100m(+20°C)	Coupling Loss (95%) dB
75	2.3	75
100	2.6	80
150	3.0	85
700	7.8	87
800	8.3	84
900	9.0	82
1800	13.8	70
1900	14.2	71
2000	14.5	72
2100	15.5	71
2400	17.1	72
2600	18.3	69
2700	18.7	70

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

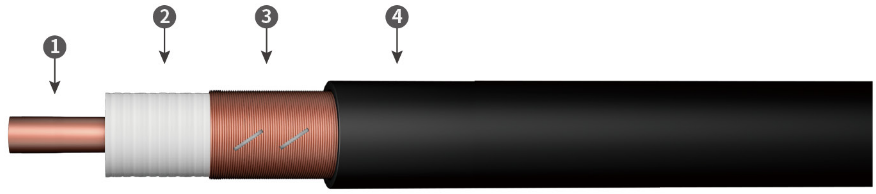
Mechanical Characteristics

Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
700N	125 mm	175 mm	-20°C to +70°C	-20°C

7/8" Radiating Type Leakage Cable For Coal Mine

Cable Type: MSLYWYZ-50-22

1. Smooth Copper Tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. LSZH



Electrical Characteristics at +20℃

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50±2Ω	0.88	76 pF/m	>5000 MΩ.km	10000 V	8000 V

VSWR

Frequency (MHz)	75~200	698-960	1700-1900	1920-2025	2110-2170	2300-2700	3300-3700
VSWR (Max)	1.30	1.30		1.40			1.40

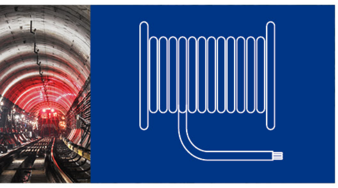
Attenuation and Coupling Loss

Frequency (MHz)	Attenuation dB/100m(+20℃)	Coupling Loss (95%) dB
75	1.4	75
100	1.5	80
150	1.7	85
700	3.7	85
800	4.2	82
900	4.6	80
1800	7.6	74
1900	8.0	74
2000	8.4	73
2100	8.6	72
2400	9.5	72
2600	10.5	70
2700	11.9	70
3300	12.8	70
3400	14.0	70
3500	15.0	70
3600	17.2	70
3700	19.8	74

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

Mechanical Characteristics

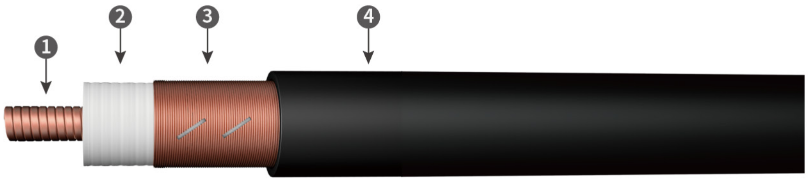
Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
1200N	250 mm	300 mm	-20℃ to +70℃	-20℃



1 1/4" Radiating Type Leakage Cable For Coal Mine

Cable Type: MSLYWYZ-50-32

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50±2Ω	0.88	76 pF/m	>5000 MΩ.km	10000 V	10000 V

VSWR

Frequency (MHz)	75~200	698-960	1700-1900	1920-2025	2110-2170	2300-2700	3400-3700
VSWR (Max)	1.30	1.30			1.40		1.40

Attenuation and Coupling Loss

Frequency (MHz)	Attenuation dB/100m(+20℃)	Coupling Loss (95%) dB
75	0.9	75
100	1.1	85
150	1.3	89
700	2.5	85
800	2.6	83
900	2.8	80
1800	4.4	73
1900	4.6	73
2000	4.8	72
2100	5.0	72
2400	5.4	71
2600	5.8	70
2700	6.1	70
3400	7.6	69
3500	7.8	68
3600	8.1	68
3700	8.5	68

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

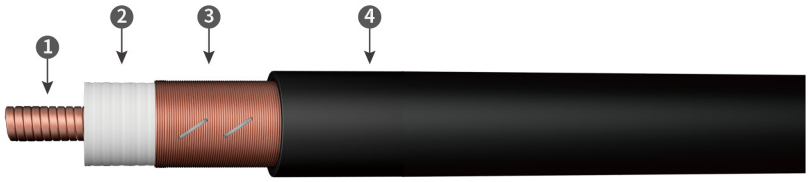
Mechanical Characteristics

Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
2000N	400 mm	500 mm	-20°C to +70°C	-20°C

1 1/4" Radiating Type
Leaky Coaxial Cable (Horizontal polarization)

Cable Type: HLRHTCYZ-50-32-H

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2 Ω	0.88	76 pF/m	＞10000 MΩ.km	10000 V	10000 V

VSWR

Frequency (MHz)	698~960	1700~1900	1920~2025	2110~2170	2300~2700	3300-3700
VSWR (Max)	1.30		1.40			

Attenuation and Coupling Loss

Frequency (MHz)	700	800	900	1800	1900	2000	2200	2400	2600	2700	3300	3400	3500	3600	3700
Attenuation dB/100m(+20°C) Max	2.5	2.7	2.8	4.3	4.5	4.7	4.9	5.3	5.8	6.0	7.2	7.4	7.8	8.1	8.5
Coupling Loss (95%) dB	84	77	76	72	72	72	71	71	71	70	69	69	68	68	68

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
610kg/km	2000N	300 mm	400 mm	-55°C to +85°C	PE: -40°C LSZH: -20°C

Standard Test Conditions

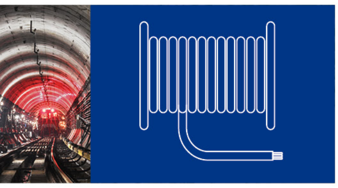
Test Methods for Attenuation	Test Methods for Coupling Loss
IEC 61196-4	IEC 61196-4

Polarization Method

700-3700MHz	Horizontal polarization

Management Commitment/Verification

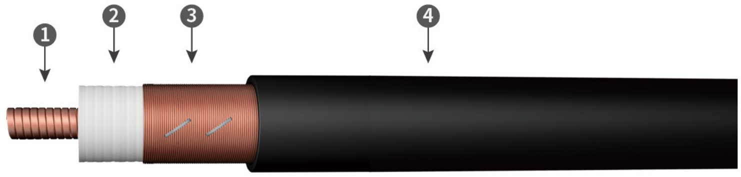
Passed		
ISO 9001	**ISO 14001**	**ISO 45001**



1 5/8" Radiating Type Leaky Coaxial Cable（Z Band）

Cable Type: HLRHTCYZ-50-42Z

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20°C

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50 ± 2Ω	0.88	76 pF/m	＞10000 MΩ.km	15000 V	10000 V

VSWR

Frequency (MHz)	75-150	330-480	680-700	806-934	1350-1450	1785-1805
VSWR (Max)	1.30					

Attenuation and Coupling Loss

Frequency (MHz)	Attenuation dB/100m(+20°C) Max	Coupling Loss (95%) dB
75	0.60	70
100	0.70	77
150	0.85	81
350	1.30	80
450	1.55	78
700	2.00	77
800	2.15	72
900	2.30	70
960	2.40	72
1400	3.20	66
1800	4.00	66

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
830kg/km	2500N	400 mm	500 mm	-55°C to +85°C	PE: -40°C LSZH: -20°C

Standard Test Conditions

Test Methods For Flame Retardancy	Test Methods For Smoke Index	Test Methods For Toxicity Index	Test Methods For Attenuation	Test Methods For Coupling Loss
IEC 60332-1	IEC 61034	IEC 60754-1/IEC 60754-2	IEC 61196-4	IEC 61196-4

Polarization Method

70-150MHz	orthogonal polarization
330-1850MHz	Vertical polarization

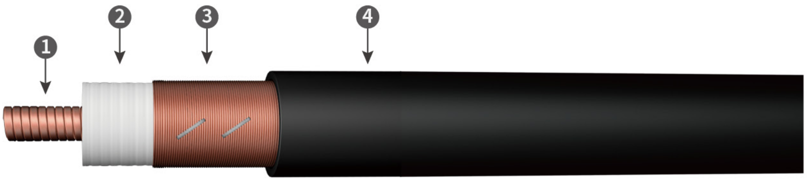
Management Commitment/Verification

Passed		
ISO 9001	**ISO 14001**	**ISO 45001**

1 5/8" Radiating Type Leaky Coaxial Cable

Cable Type: RFXT 1 5/8" -50M/H(BHF) HLRHTCY(Z)-50-42M/H

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20℃

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50±2Ω	0.88	76 pF/m	＞10000 MΩ.km	15000 V	10000 V

VSWR

M Band					
	Frequency (MHz)	75~200	320~480	680~700	790~960
	VSWR (Max)	1.30			

H Band							
	Frequency (MHz)	698~960	1700~1900	1920~2025	2110~2200	2300~2400	2515~2675
	VSWR (Max)	1.30		1.40			

Attenuation and Coupling Loss

M Band										
	Frequency (MHz)	75	100	150	350	450	700	800	900	960
	Attenuation dB/100m(+20℃)	0.60	0.70	0.85	1.30	1.50	2.10	2.30	2.50	2.70
	Coupling Loss (95%) dB	68	72	77	70	69	66	66	65	64

H Band												
	Frequency (MHz)	700	800	900	960	1800	1900	2000	2200	2400	2600	2700
	Attenuation dB/100m(+20℃)	1.85	2.05	2.15	2.30	3.60	3.80	4.00	4.50	5.10	5.90	6.40
	Coupling Loss (95%) dB	77	75	74	74	66	66	66	65	65	64	64

Note: Attenuation tolerance 5%; Coupling Loss tolerance ±5dB

Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
830kg/km	2500N	400 mm	500 mm	-55℃ to +85℃	PE: -40℃ LSZH: -20℃

Standard Test Conditions

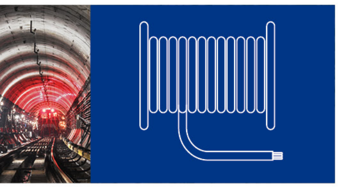
Test Methods For Flame Retardancy	Test Methods For Smoke Index	Test Methods For Toxicity Index	Test Methods For Attenuation	Test Methods For Coupling Loss
IEC 60332-1	IEC 61034	IEC 60754-1/IEC 60754-2	IEC 61196-4	IEC 61196-4

Polarization Method

M Band	70-150MHz	orthogonal polarization
	320-960MHz	Vertical polarization
H Band	700-2700MHz	Vertical polarization

Management Commitment/Verification

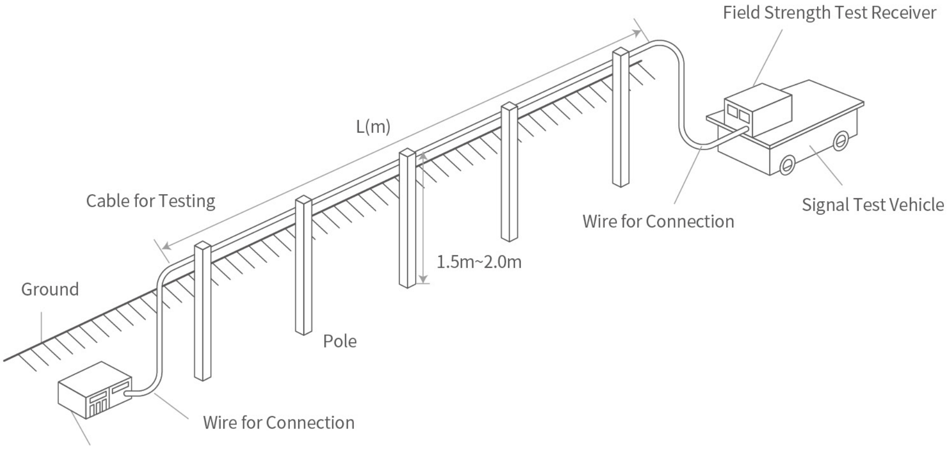
Passed		
ISO 9001	ISO 14001	ISO 45001



Test Method
Leaky Coaxial Cable

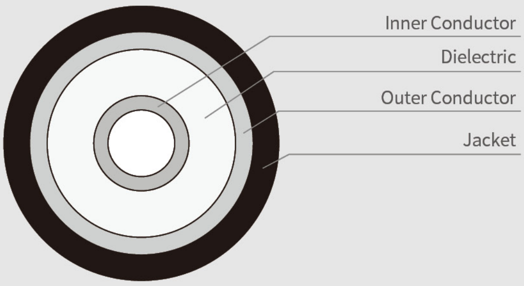
Test Method Leaky Coaxial Cable

- Design of the Attenuation constant

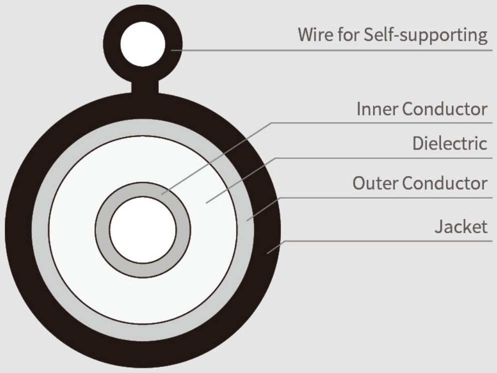


Leaky Coaxial Cable for Train System

- The leaky coaxial cable of the railway system is divided into type I cable, type II cable and type III cable.
- Type I cable is a cable with different coupling loss at 450MHz frequency. It can be used in system design to achieve piecewise coupling, uniform field strength and reducing system loss.
- Type II cable refers to the same coupling loss at the same frequency, but can be compatible with different frequencies of cable.
- Type III cable is the cable used for GSM-R digital mobile communication system at 900MHz frequency.



Non - self-supporting Cable Structure

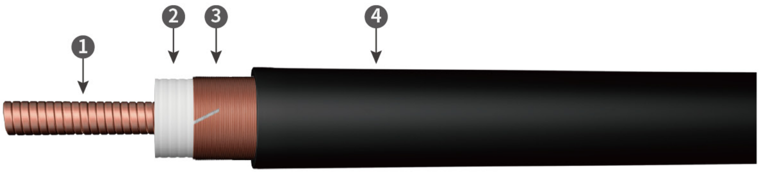


Self-supporting Cable Structure

1 5/8" Radiating Type
Leaky Coaxial Cable Train System III Type

Cable Type: WDZ-SLYWY-50-42-III/SLYWY-50-42-III

1. Corrugated Cu-tube
2. Foamed PE Dielectric
3. Longitudinally Wrapped Copper Strip
4. PE Jacket or LSZH



Electrical Characteristics at +20℃

Characteristic Impedance	Velocity	Capacitance	Insulation Resistance	Insulation Voltage	Jacket Spark Test Voltage
50±2Ω	0.88	76 pF/m	＞10000 MΩ.km	15000 V	10000 V

Voltage Standing-wave Ratio

Frequency(MHz)	Voltage Standing-wave Ratio (Max)
885~889	1.30
930~934	

Attenuation and Coupling Loss

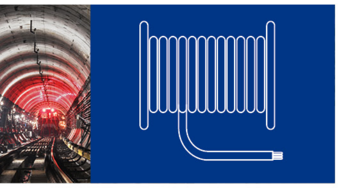
Frequency(MHz)	Attenuation dB/100m(+20℃)	Coupling Loss (95%) dB
885~889	2.4	69
930~934	2.4	69

Mechanical Characteristics

Weight	Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Installation Temperature Range
1000kg/km	1700 N	700 mm	1000 mm	-25℃ to +70℃	PE: -40℃ LSZH: -20℃

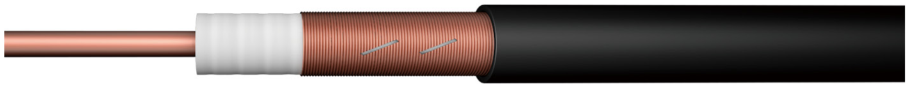
Note:

The product meets the Chinese industry standard: TB/T 3201-2015, it can be specified according to customer's requirement, please contact with us.



1/2" Wide-beam Leaky Cable (H Band)

Cable Type: HLRCACY(Z)-50-12HG



Construction

Inner conductor	Copper-clad aluminium wire	Ø 4.8 mm
Dielectric	Cellular polyethylene	Ø 12.2 mm
Outer conductor	Copper foil	Ø 13.2 mm
Jacket	Black PE or Black LSZH	Ø 15.8 mm
Marking	Brand, cable type, cable ID, meter mark	/

Electrical Characteristics at +20°C

Characteristic impedance	50 ± 2 Ω
Velocity	0.88
Capacitance	76 pF/m
Insulation Resistance	＞5000 MΩ.km
Insulation Voltage (DC,1min)	6000 V
Jacket Spark Test Voltage	8000 V

VSWR

Frequency (MHz)	VSWR (Max)
790~960	1.30
1700~1900	
1900~2050	1.40
2100~2200	
2300~2700	

Attenuation and Coupling Loss

Frequency (MHz)	Attenuation dB/100m Max	Coupling Loss (95%) dB		
		0°Forward	90°Side	180°Back
900	8.9	80	80	80
1800	14.3	73	73	73
1900	15.0	73	73	73
2000	15.7	71	71	71
2200	16.7	72	72	72
2400	17.6	72	72	72
2600	18.6	70	70	70
2700	18.9	70	70	70

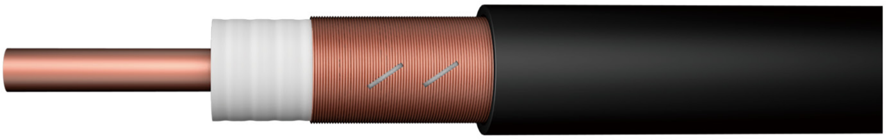
Note: Attenuation tolerance 5%, Coupling Loss tolerance ±5dB

Mechanical Characteristics

Weigh	210kg/km
Maximum pulling force	1000N
Minimum bending radius	/
Single bending	125 mm
Repeated bending	350 mm
Operating temperature range	-40°C to +70°C
Min. installation temperature	-40°C(PE); -20°C(LSZH)

7/8" Wide-beam Leaky Cable (H Band)

Cable Type: HLRCTCY(Z)-50-22HG



Construction

Inner conductor	Copper tube	Ø 9.0 mm
Dielectric	Cellular polyethylene	Ø 23.2 mm
Outer conductor	Copper foil	Ø 23.5 mm
Jacket	Black PE or Black LSZH	Ø 27.5 mm
Marking	Brand, cable type, cable ID, meter mark	/

Electrical Characteristics at +20°C

Characteristic impedance	50 ± 2 Ω
Velocity	0.88
Capacitance	76 pF/m
Insulation Resistance	＞5000 MΩ.km
Insulation Voltage (DC,1min)	10000 V
Jacket Spark Test Voltage	8000 V

VSWR

Frequency (MHz)	VSWR (Max)
790~960	1.30
1700~1900	
1900~2050	1.40
2100~2200	
2300~2700	

Attenuation and Coupling Loss

Frequency (MHz)	Attenuation dB/100m Max	Coupling Loss (95%) dB		
		0°Forward	90°Side	180°Back
900	4.7	79	80	80
1800	8.8	75	76	77
1900	8.9	70	71	72
2000	10.0	71	72	73
2200	11.5	71	72	73
2400	13.3	70	71	72
2600	13.9	68	69	70
2700	15.1	69	70	71

Note: Attenuation tolerance 5%, Coupling Loss tolerance ±5dBt

Mechanical Characteristics

Weigh	500kg/km
Maximum pulling force	1300N
Minimum bending radius	/
Single bending	250 mm
Repeated bending	300 mm
Operating temperature range	-40°C to +70°C
Min. installation temperature	-40°C(PE); -20°C(LSZH)

Accesssories

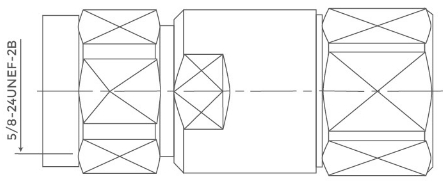
Connectors for Coaxial Cable

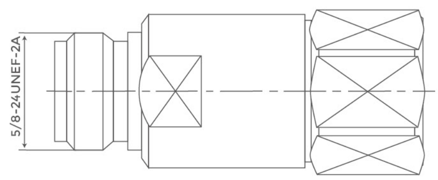
Connector Type

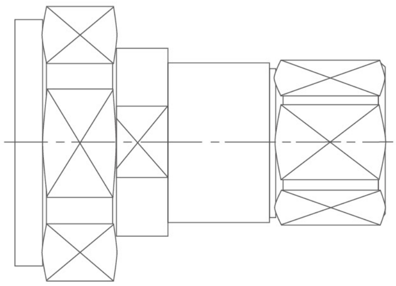
- N Type, 7/16 DIN Type

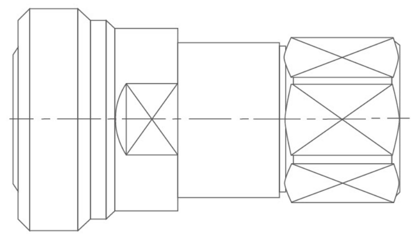
Interface

- IEC 60169-16; IEC 60169-4









Electrical Characteristics

Characteristic Impedance	Frequency Range	VSWR	Dielectric Withstanding Voltage	Contact Resistance			Dielectric Resistance
					Outer Contact	Centre Contact	
50Ω	DC-3.7GHz	0.69～0.96GHz⩽1.1	⩾2000V, AC, 1Min	N Type	⩽0.25mΩ	⩽1.0mΩ	⩾5000MΩ
		1.7～2.7GHz⩽1.13					
		2.7～3.0GHz⩽1.15		7/16 DIN Type	⩽0.2mΩ	⩽0.4mΩ	
		3.0～3.7GH⩽1.30					

Mechanical Characteristics

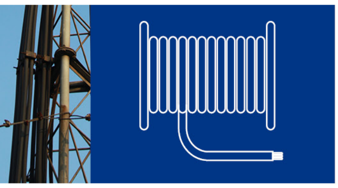
		N Type	7/16 DIN Type
Retention	Centre Contact	⩾0.56N	⩾6N
Durability	Mating Cycles	⩾500	⩾500

Environmental Characteristics

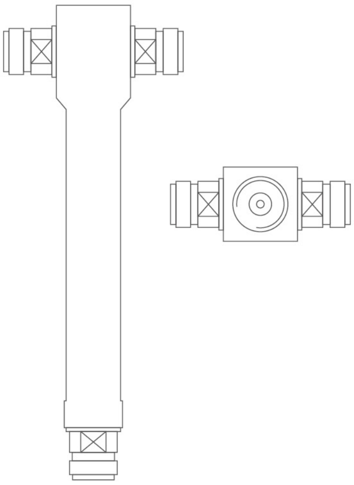
Salt Spray	Temperature Range	Watertightness	RoHS
Meet 48 Hours(5% Salt Concentration)	-40°C to +85°C	IP67	Compliance

Materialand Plating

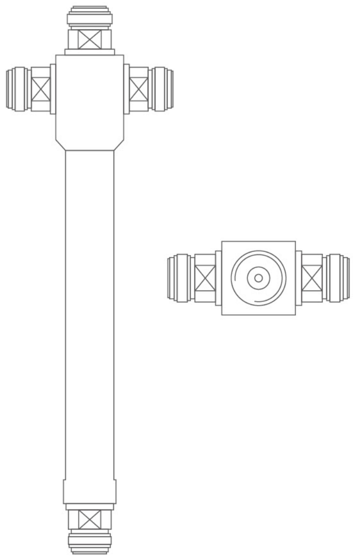
Part	Material	Plating
Body	Brass	Tri-Alloy⩾3μm
Center Conductor	Brass/Phosphor Bronze	Ag⩾3μm
Insulator	PTFE/TPX	-
Sealing Ring	Silicone Rubber	-
Other Metal Parts	Brass	Ni⩾2.5μm



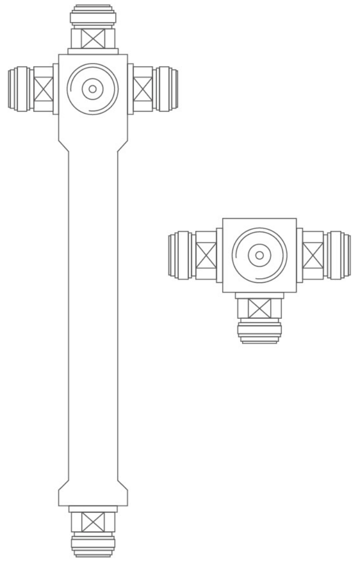
Power Splitter



2 Division



3 Division

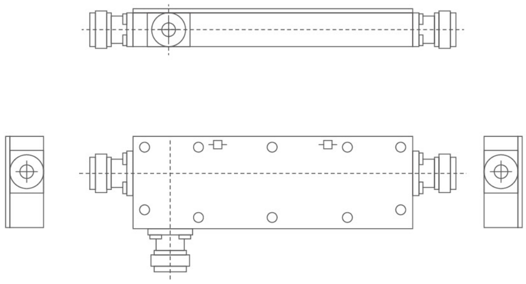


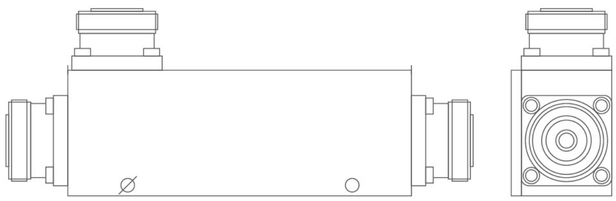
4 Division

Technical Data

Name	2 Division		3 Division		4 Division	
Frequency Band	700MHz-3700MHz					
VSWR	⩽1.3	⩽1.25	⩽1.3	⩽1.25	⩽1.3	⩽1.25
Insertion Loss (dB)	⩽3.3		⩽5.2		⩽6.5	
Inside Band Fluctuation (dB)	⩽0.3		⩽0.43		⩽0.48/0.5	
Connector Type	DIN-F	N-F	DIN-F	N-F	DIN-F	N-F
PIM3 (dBc)	⩽-150	⩽-140	⩽-150	⩽-140	⩽-150	⩽-140
PIM5 (dBc)	⩽-160	⩽-155	⩽-160	⩽-155	⩽-160	⩽-155
Average Power Rating (W)	500	300	500	300	500	300
Temperature	-40～+55℃					
Water Proof	IP65					
Impedance(Ohm)	50					

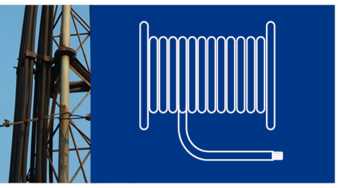
Directional Coupler





Technical Data

Name	5dB	6dB	7dB	8dB	10dB	12dB	15dB	20dB	25dB	30dB	40dB
Frequency Band	700MHz~3700MHz										
VSWR	DIN type≤1.3, N type≤1.25										
Insertion Loss(dB)	≤2.15	≤1.76	≤1.47	≤1.25	≤0.96	≤0.76	≤0.44	≤0.34	≤0.32	≤0.3	≤0.3
Coupling(dB)	5±0.5	6±0.5	7±0.5	8±0.5	10±1	12±1	15±1	20±1	25±1	30±1.5	40±1.5
Isolation(dB)	23	24	25	26	≥28	≥30	≥33	≥38	≥43	≥48	≥55
PIM3	DIN type≤-150dBc, N type≤140dBc										
PIM5	DIN type≤-160dBc, N type≤155dBc										
Power Rating	DIN type 500W, N type 300W										
Temperature	-40℃~+75℃										
Connector Type	N-Female; 7/16-Female										
Water Proof	IP65										
Impedance(Ohm)	50										



NKJD 1/2" -50 Soldered and Molded Jumper Cable

Connector Type

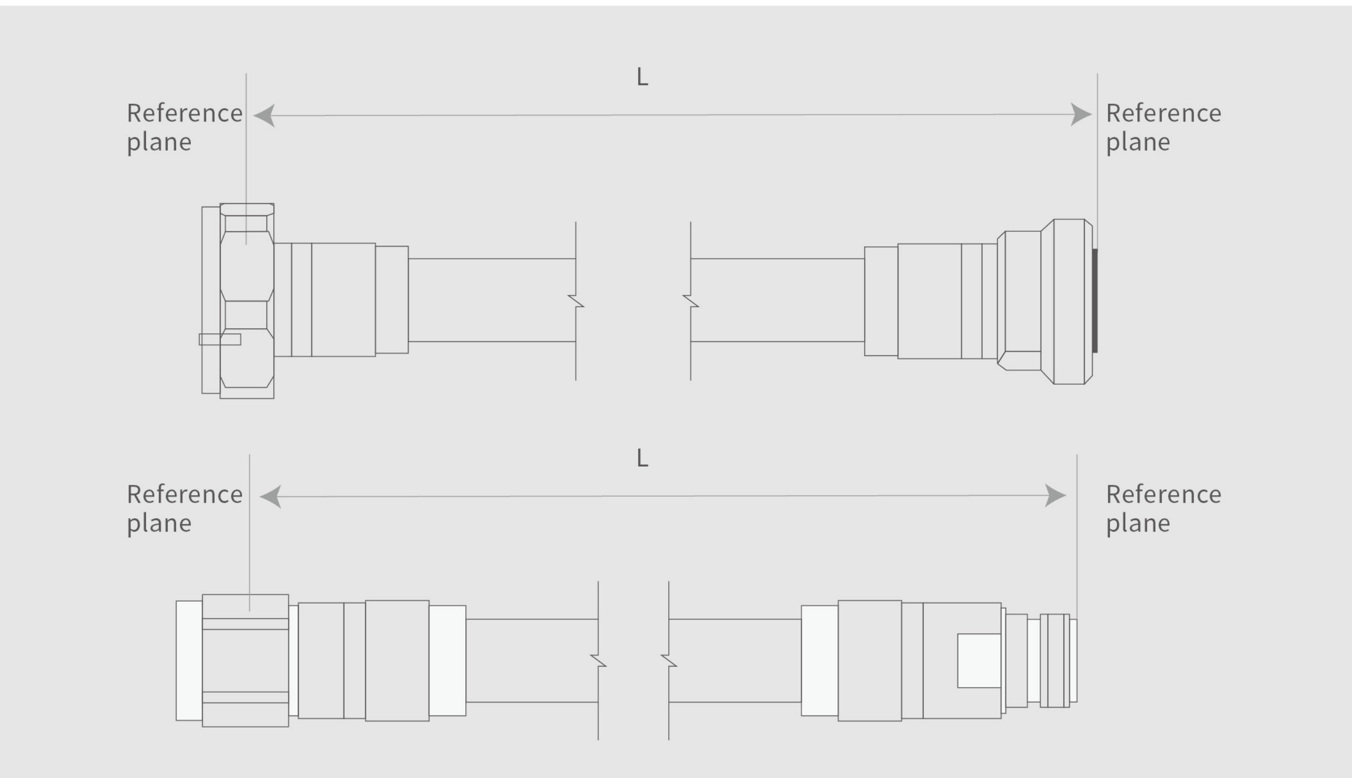
- 7/16 male and female
- N male and female
- 4.3/10 male

Cable Type

- 1/2" superflexible feeder cable HCAHY(Z)-50-9

Length

- Standard length: 0.5, 1.0, 1.5, 2 .0, 2.5 and 3m,Other lengths available on request



Note:
Please use Insulation tape for outdoor application

Electrical Characteristics at +20℃

Characteristic Impedance	50 ± 1Ω
Return Loss (VSWR) for	
0-2200MHz	26.5dB (1.10)
2200-3700MHz	23.0dB (1.15)
Attenuation at (Cable)	
800 MHz	0.11dB/m
-900 MHz	0.11dB/m
-1800 MHz	0.17dB/m
-2000 MHz	0.18dB/m
-2400 MHz	0.20dB/m
-2700 MHz	0.21dB/m
-3600 MHz	0.25dB/m
Connector Attenuation (2pcs)	⩽0.1dB
Maximum Operating Frequency	3700MHz
Average Power Rating	
-1000 MHz	710W
-2000MHz	480W
Peak RF Voltage Rating	1.39KV
Intermodulation, typical (2×20W TX)	-155dBc

Materials in Connectors

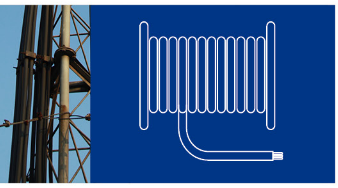
	Outer Conductor	Inner Conductor	Other Metallic Parts	Insulation	Sealing
7/16 Male and N Male	Copper Alloy / Alloy Plated	Copper Alloy / Silver Plated	Copper Alloy/Nickel Plated	PTFE	Silicon
7/16 Female and N Female	Copper Alloy / Alloy Plated	Copper Alloy / Silver Plated	—	PTFE	—
4.3/10 Male	Copper Alloy / Alloy Plated	Copper Alloy / Silver Plated	Copper Alloy/Nickel Plated	PTFE	Silicon

Mechanical Characteristics

Maximum Pulling Force	Single Bending	Repeated Bending	Operating Temperature Range	Crush Resistance
300N	17 mm	55 mm	-55℃ to +80℃	19N/mm

Jacketing Options

Jacket	IEC60754-1/-2 halogen free, noncorrosive	IEC61034 low smoke emission	IEC60332-1/3C fire retardant	Min. installation temperature
Black polyethylene	Yes	–	–	-40℃
Black halogen free fire retardant thermoplastic	Yes	Yes	Yes	-20℃

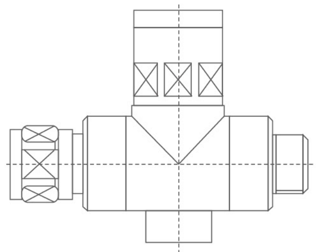


1/4λ Surge Arrestor

1/4λ surge arrestors are used for protecting antenna equipment and transmission-receiver system against the damages caused by over voltage and induction voltage of lightning. The product is designed according to the principle of quarter-wave and bandpass.

Characteristics

- Large discharge current capacity
- Low insertion loss and VSWR
- Reliable operation and free of maintenance
- Broad-band operation
- Excellent function stability



Technical Data

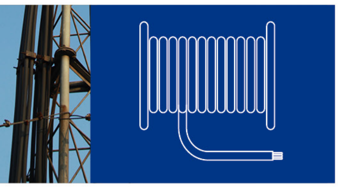
Type	7/16-50FM-BLQ28
	N-50FM-BLQ28
Connector Type	7/16 (7/16 Male-7/16 Female)
	N type (N Male-N Female)
Operating Frequency	800~2700MHz
Impedance	50Ω
Nominal Discharge Current	40KA (8/20μs)
Maximum Discharge Current	50KA (8/20μs)
Insertion Loss	⩽0.2dB
PIM	⩽-150dBc@2X20W
VSWR	0.8～2.5GHz⩽1.15
	2.5～2.7GHz⩽1.20
Max. Operating Power	1000W

Grounding Kit

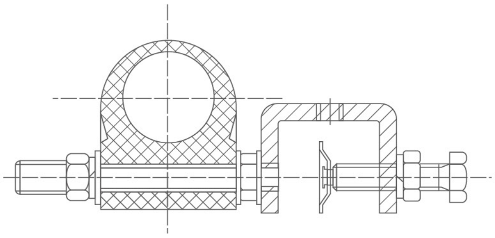
Material and Plating

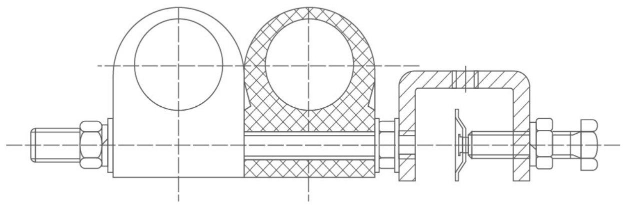
Name	Material	Electroplate
Contact Sheet	Copper	—
Clamping Spring	Stainless Steel	Ni
Fastening Bolts	Stainless Steel	—
Cable Lug	Copper	Tin
Grounding Cable	Copper 16mm²	—
Insulation	Polyolefin Plastics	—

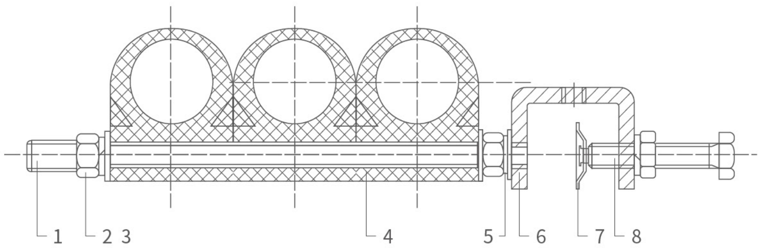
Match Cable: Feeder Cable 1/2" , 7/8" , 1 1/4" , 1 5/8" **Contact Resistance:** ≤1mΩ **Surge Current:** ≥70KA **Operating Temperature:** -55℃ to +85℃



Clamps for Feeder Cable







Parts List

No.	Name	Type					Material	Qty.
		1/2" Feeder Cable	7/8" Feeder Cable	1 1/4" Feeder Cable	1 5/8" Feeder Cable	1/2" Super Flexible Cable		
1	M8 Bolt (Left)	M8 * L	M8 * L	M10 * L	M10 * L	M8 * L	Stainless Steel	1
2	M8 Nut	M8	M8	M10	M10	M8	Stainless Steel	3
3	Flat Underlay	Φ8	Φ8	Φ10	Φ10	Φ8	Stainless Steel	2
4	Plastic Parts	—	—	—	—	—	Polypropylene	2, 4, 6
5	Stretch Underlay	Φ8	Φ8	Φ10	Φ10	Φ8	Stainless Steel	3
6	Angle Adaptor	—	—	—	—	—	Stainless Steel	1
7	Clamp-patch	—	—	—	—	—	Stainless Steel	1
8	M8 Bolt	M8	M8	M8	M8	M8	Stainless Steel	1

Clamps for 1/2" Feeder Cable

Match cable: RF 1/2" -50；RFA 1/2" -50 **Clamping force:** ＞2kgf **Salt spray:** Meet 96 Hours(5% Salt Concentration) **UV test:** ISO 4892.2；1000h **Operating temperature:** -40°C to +70°C

Clamps for 7/8" Feeder Cable

Match cable: RF 7/8" -50；RFA 7/8" -50 **Clamping force:** ＞3kgf **Salt spray:** Meet 96 Hours(5% Salt Concentration) **UV test:** ISO 4892.2；1000h **Operating temperature:** -40°C to +70°C

Clamps for 1 1/4" Feeder Cable

Match cable: RFA 1 1/4" -50 **Clamping force:** ＞4kgf **Salt spray:** Meet 96 Hours(5% Salt Concentration) **UV test:** ISO 4892.2；1000h **Operating temperature:** -40°C to +70°C

Clamps for 1 5/8" Feeder Cable

Match cable: RFA 1 5/8" -50 **Clamping force:** ＞4kgf **Salt spray:** Meet 96 Hours(5% Salt Concentration) **UV test:** ISO 4892.2；1000h **Operating temperature:** -40°C to +70°C

Clamps for 1/2" Super Flexible Cable

Match cable: RFF 1/2" -50 **Clamping force:** ＞2kgf **Salt spray:** Meet 96 Hours(5% Salt Concentration) **UV test:** ISO 4892.2；1000h **Operating temperature:** -40°C to +70°C

High-Speed Clamps for Leaky Coaxial Cable

Introduction

Clamp for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.

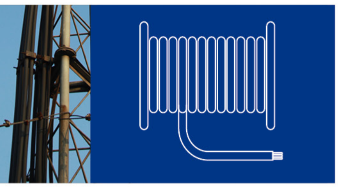
Installation Manual

- To select suitable type clamp before installation,cable sizes is 1 1/4"、1 5/8"
- To release steel wire hanging bolt, to clip wire
- To tighten the bolt, ensure the clamp fixed on wire
- To install cable in the clamp and to lock the locker, checking the cable fixed on clamp

Parts List

No.	Name	Type	Material	Qty.
1	Cable clamp	1 1/4"、1 5/8"	Nylon PA66	1
2	Bolt	M8	Stainless steel SUS304	1
3	Expansion bolt	Φ8*80	Stainless steel SUS304	1

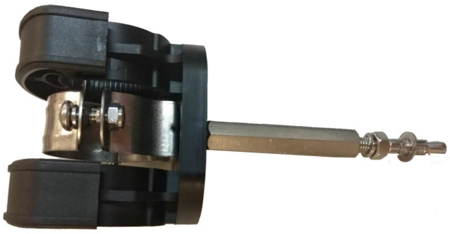
Type	TSNPH-42、TSNPH-32
Match cable	1 1/4"、1 5/8"
Salt spray	Meet 96 Hours(5% Salt Concentration)
Axial pullout strength	150N
Tensile strength	2000N (-42) /1500N (-32)
Resistance to shear stress	1000N
Operating temperature	-40°C to +70°C



Fire Retardant Clamps for Radiating Cable

Introduction

Clamp for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.Fire bolt part is compact, reliable and easy to install.



Installation Manual

- To select suitable type clamp before installation, cable sizes is 1 1/4"、1 5/8"
- To install expansion bolt and clamp on the wall
- To install clamp bolt on the expansion bolt
- To install cable in the clamp and to lock the locker,checking the cable fixed on clamp
- To tighten the fire bolt, to ensure bolt around clamp

Parts List

No.	Name	Type	Material	Qty.
1	Cable clamp	1 1/4"、1 5/8"	Nylon	1
2	Bolt	M8	Stainless steel SUS304	1
3	Expansion bolt	Φ8*80	Stainless steel SUS304	1
4	Fire parts	1 1/4"、1 5/8"	Stainless steel SUS304	1

Type	TSFPH-42、TSFPH-32
Match cable	1 1/4"、1 5/8"
Salt spray	Meet 96 Hours(5% Salt Concentration)
Axial pullout strength	150N
Tensile strength	2000N (-42) /1500N (-32)
Resistance to shear stress	1000N
Operating temperature	-40°C to +70°C

Low-Speed Clamps for Leaky Coaxial Cable

Clamp for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.

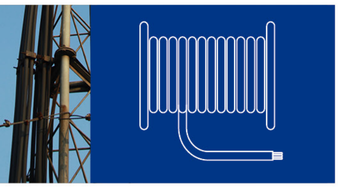
Installation Manual

- To select a suitable clamp before installation, cable sizes are 1/2" 、7/8" 、1 1/4"、1 5/8"
- To install expansion bolt and clamp on the wall
- To tighten the bolt and clamp base
- To install cable in the clamp and to lock the locker, checking the cable fixed on clamp

Parts List

No.	Name	Type	Material	Qty.
1	Cable Clamp	1/2"、7/8"、1 1/4"、1 5/8"	Nylon PA66	1
2	Clamp Bolt	M8	Stainless steel SUS304	1
3	Expansion Bolt	Φ8*80	Stainless steel SUS304	1

Type	TSNPL-42、TSNPL-32、TSNPL-22、TSNPL-12
Match Cable	1/2"、7/8"、1 1/4"、1 5/8"
Salt Spray	Meet 96 Hours(5% Salt Concentration)
Axial Pullout Strength	150N
Tensile Trength	1200N(-42)/1000N(-32)/800N(-22)
Resistance to Shear Stress	800N(-42)/750N(-32)/700N(-22)
Operating Temperature	-40°C to +70°C



Fire Retardant Clamps for Leaky Coaxial Cable

Clamp for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.Fire bolt part is compact, reliable and easy to install.

Installation Manual

- To select a suitable clamp before installation, cable sizes are 1/2"、7/8" 、1 1/4"、1 5/8"
- To install expansion bolt and clamp on the wall
- To tighten the bolt and clamp base
- To install cable in the clamp and to lock the locker, checking the cable fixed on clamp

Parts List

No.	Name	Type	Material	Qty.
1	Cable Clamp	1/2"、7/8" 、1 1/4" 、1 5/8"	Stainless steel SUS304	1
2	Clamp Bolt	M8	Stainless steel SUS304	1
3	Expansion Bolt	Φ8*80	Stainless steel SUS304	1

Type	TSFPL-42、TSFPL-32、TSFPL-22、TSFPL-12
Match Cable	1/2"、7/8" 、1 1/4" 、1 5/8"
Salt Spray	Meet 96 Hours(5% Salt Concentration)
Axial Pullout Strength	150N
Tensile Trength	1200N(-42)/1000N(-32)/800N(-22)
Resistance to Shear Stress	800N(-42)/750N(-32)/700N(-22)
Operating Temperature	-40°C to +70°C

Hanger for Radiating Cable

Hanger for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.

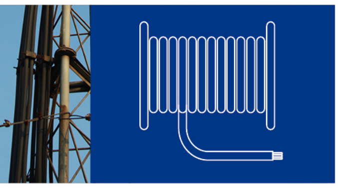
Installation Manual

- To select a suitable clamp before installation, cable sizes are1/2"、7/8"、1 1/4"、1 5/8"
- To release steel wire hanging bolt, to clip wire
- To tighten the bolt, ensure the clamp fixed on wire
- To install cable in the clamp and to lock the locker, checking the cable fixed on clamp

Parts List

No.	Name	Type	Material	Qty.
1	Cable Clamp	1/2"、7/8"、1 1/4"、1 5/8"	Nylon PA66	1
2	Bolt	M8*25	Stainless Steel SUS304	1
3	Steel Wire Hanger	-	Stainless Steel SUS304	1

Type	OSNPL-42、OSNPL-32、OSNPL-22、OSNPL-12
Match Cable	1/2"、7/8"、1 1/4"、1 5/8"
Salt Spray	Meet 96 Hours(5% Salt Concentration)
Operating Temperature	-40℃ to +70℃



Fire Retardant Hanger for Radiating Cable

Clamp for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.Fire bolt part is compact, reliable and easy to install.

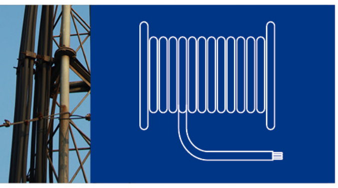
Installation Manual

- To select suitable type clamp before installation, cable sizes is1/2"、7/8"、1 1/4"、1 5/8"
- To release steel wire hanging bolt, to clip wire
- To tighten the bolt, ensure the clamp fixed on wire
- To install cable in the clamp and to lock the locker, checking the cable fixed on clamp
- To tighten the fire bolt, to ensure bolt around clamp

Parts List

No.	Name	Type	Material	Qty.
1	Cable Clamp	1/2"、7/8"、1 1/4"、1 5/8"	Stainless steel SUS304	1
2	Bolt	M8*25	Stainless steel SUS304	1
3	Steel Wire Hanger	-	Stainless steel SUS304	1
4	Fire bolt parts	1/2"、7/8"、1 1/4"、1 5/8"	Stainless steel SUS304	1

Type	OSFPL-42、OSFPL-32、OSFPL-22、OSFPL-12
Match Cable	1/2"、7/8"、1 1/4"、1 5/8"
Salt Spray	Meet 96 Hours(5% Salt Concentration)
Operating Temperature	-40°C to +70°C



Hanger for Radiating Cable/S

Hanger for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.

Installation manual

- To select suitable type clamp before installation,cable sizes is11 1/4"、1 5/8"
- To release steel wire hanging bolt, to clip wire.
- To tighten the bolt, ensure the clamp fixed on wire.
- To install cable in the clamp and to lock the locker,checking the cable fixed on clamp.

Parts List

No.	Name	Type	Material	数量
1	Cable Clamp	1 1/4"、1 5/8"	Nylon PA66	1
2	Bolt	M8*25	Stainless steel SUS304	1
3	Steel Wire Hanger	-	Stainless steel SUS304	1

Type	OSNPH-42、OSNPH-32
Match Cable	1 1/4"、1 5/8"
Salt Spray	Meet 96 Hours(5% Salt Concentration)
Operating Temperature	-40℃ to +70℃

Fire Retardant Hanger for Radiating Cable/S

Clamp for radiating cable is a combination type cable fixing clamp. Cables are fixed on the top of the clamp. By changing the top part, the clamps can be adapted to various sizes of cable.Fire bolt part is compact, reliable and easy to install.

Installation manual

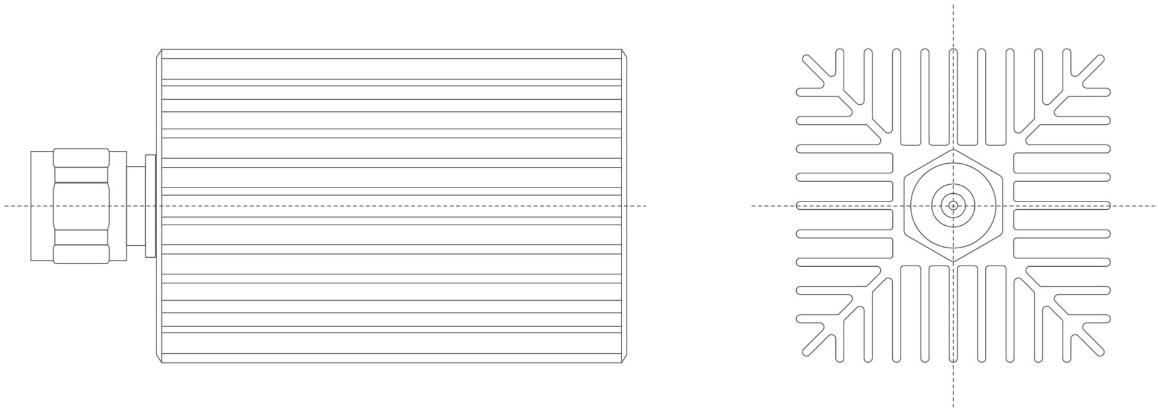
- To select suitable type clamp before installation,cable sizes is 1 1/4"、1 5/8"
- To release steel wire hanging bolt, to clip wire.
- To tighten the bolt, ensure the clamp fixed on wire.
- To install cable in the clamp and to lock the locker, checking the cable fixed on clamp.
- To tighten the fire bolt, to ensure bolt around clamp.

Parts List

No.	Name	Type	Material	数量
1	Cable Clamp	1 1/4"、1 5/8"	Stainless steel SUS304	1
2	Bolt	M8*25	Stainless steel SUS304	1
3	Steel Wire Hanger	-	Stainless steel SUS304	1
4	Fire bolt parts	1 1/4" 、1 5/8"	Stainless steel SUS304	1

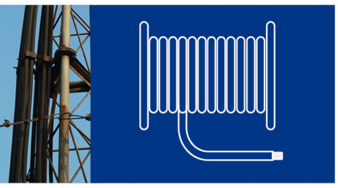
Type	OSFPH-42、OSFPH-32
Match Cable	1 1/4"、1 5/8"
Salt Spray	Meet 96 Hours(5% Salt Concentration)
Operating Temperature	-40°C to +70°C

Load Terminal



Technical Data

Characteristic	Parameter Index
Name	Load Terminal
Frequency Range	0—4000MHz
VSWR	⩽1.2
Intermodulation	⩽-125dBc @2*43dBm
Power Range	1～50W
Connector Type	N-male
Impedance	50Ω
Temperature Range	-25℃ to +75℃



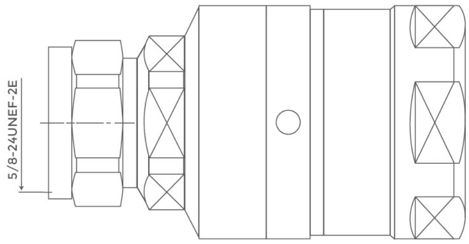
N Connectors for RFXT 1 1/4" Leaky Cables

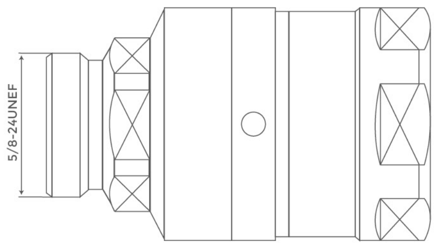
Connector Type

- NM-R32、NF-R32

Interface

- IEC 60169-16





Electrical Characteristics

Characteristic Impedance	Frequency Range	Interface	Dielectric Withstanding Voltage	Intermodulation @2-tonex20w	Contact Resistance		Dielectric Resistance
					Outer Contact	Centre Contact	
50Ω	DC-3.7GHz	0.69～0.96GHz⩽1.1	⩾2000V,AC,1Min	⩽-150 dBc	⩽0.25mΩ	⩽1.0mΩ	⩾5000MΩ
		1.7～2.7GHz⩽1.13					
		2.7～3.0GHz⩽1.15					
		3.0～3.7GH⩽1.30					

Mechanical Characteristics

Retention	Centre contact	⩾0.56N
Durability	Times	⩾500

Environmental Characteristics

Salt Spray	Temperature Range	Watertightness	RoHS
Meet 48 Hours(5% Salt Concentration)	-40°C to +80°C	IP68 (Used water proof kits)	FULL

Material and Plating

Part	Material	Plating
Body	Brass	Tri-Alloy⩾3μm
Center Conductor	Brass/Phosphor Bronze	Ag⩾3μm
Insulator	PTFE/TPX	—
Sealing Ring	Silicone Rubber	—
Other Metal Parts	Brass	Ni⩾2.5μm

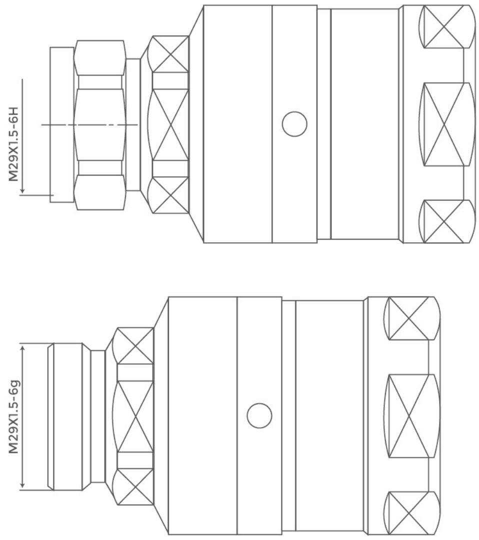
7/16 Connectors for
RFXT 1 1/4" Leaky Cables

Connector Type

- 7/16M-R32、7/16F-R32

Interface

- IEC 60169-4



Electrical Characteristics

Characteristic Impedance	Frequency Range	Interface	Dielectric Withstanding Voltage	Intermodulation @2-tonex20w	Contact Resistance		Dielectric Resistance
					Outer Contact	Centre Contact	
50Ω	DC-3.7GHz	0.69～0.96GHz⩽1.1	⩾4000V,AC,1Min	⩽-155 dBc	⩽0.2mΩ	⩽0.4mΩ	⩾5000MΩ
		1.7～2.7GHz⩽1.13					
		2.7～3.0GHz⩽1.15					
		3.0～3.7GH⩽1.30					

Mechanical Characteristics

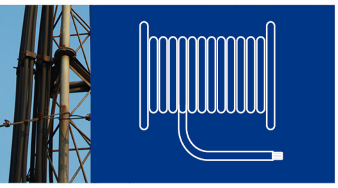
Retention	Centre contact	⩾6N
Durability	Times	⩾500

Environmental Characteristics

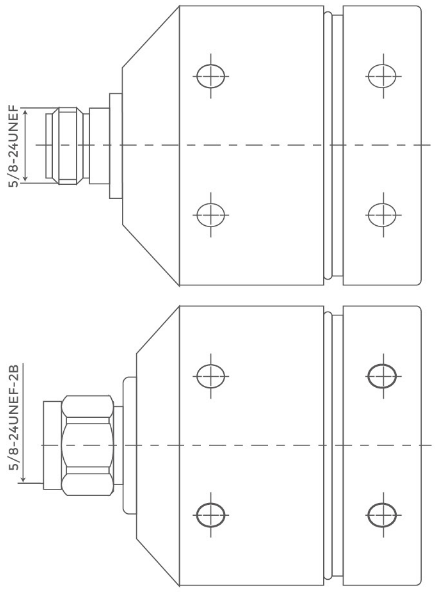
Salt Spray	Temperature Range	Watertightness	RoHS
Meet 48 Hours(5% Salt Concentration)	-40°C to +80°C	IP68 (Used water proof kits)	FULL

Material and Plating

Part	Material	Plating
Body	Brass	Tri-Alloy⩾3μm
Center Conductor	Brass/Phosphor Bronze	Ag⩾3μm
Insulator	PTFE/TPX	—
Sealing Ring	Silicone Rubber	—
Other Metal Parts	Brass	Ni⩾2.5μm



N Connectors for
RFXT 1 5/8" Leaky Cables



Connector Type

- NM-R42、NF-R42

Interface

- IEC 60169-16

Connector Code

- 998535000010061、998535000010062

Electrical Characteristics

Characteristic Impedance	Frequency Range	Interface	Dielectric Withstanding Voltage	Intermodulation @2-tonex20w	Contact Resistance		Dielectric Resistance
					Outer Contact	Centre Contact	
50Ω	DC-2.7GHz	0.69～0.96GHz⩽1.1	⩾2000V,AC,1Min	⩽-150 dBc	⩽0.25mΩ	⩽1.0mΩ	⩾5000MΩ
		1.7～2.7GHz⩽1.13					

Mechanical Characteristics

Retention	Centre contact	⩾0.56N
Durability	Times	⩾500

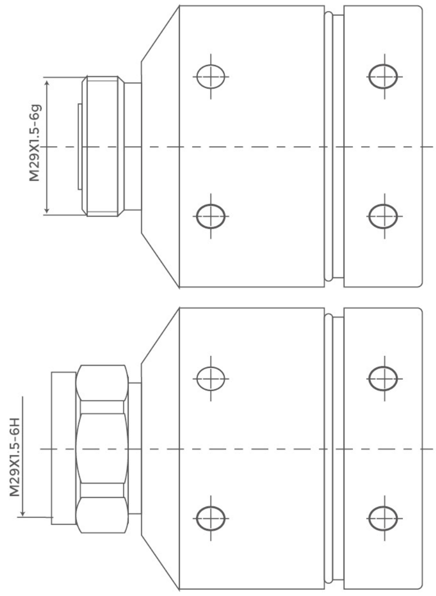
Environmental Characteristics

Salt Spray	Temperature Range	Watertightness	RoHS
Meet 48 Hours(5% Salt Concentration)	-40°C to +80°C	IP68 (Used water proof kits)	FULL

Material and Plating

Part	Material	Plating
Body	Brass	Tri-Alloy⩾3μm
Center Conductor	Brass/Phosphor Bronze	Ag⩾3μm
Insulator	PTFE/TPX	—
Sealing Ring	Silicone Rubber	—
Other Metal Parts	Brass	Ni⩾2.5μm

7/16 Connectors for
RFXT 1 5/8" Leaky Cables



Connector Type

- 7/16M-R42
- 7/16F-R42

Interface

- IEC 60169-4

Electrical Characteristics

Characteristic Impedance	Frequency Range	Interface	Dielectric Withstanding Voltage	Intermodulation @2-tonex20w	Contact Resistance		Dielectric Resistance
					Outer Contact	Centre Contact	
50Ω	DC-2.7GHz	0.69～0.96GHz⩽1.1 1.7～2.7GHz⩽1.13	⩾4000V,AC,1Min	⩽-155 dBc	⩽0.2mΩ	⩽0.4mΩ	⩾5000MΩ

Mechanical Characteristics

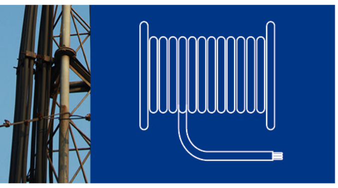
Retention	Centre contact	⩾6N
Durability	Times	⩾500

Environmental Characteristics

Salt Spray	Temperature Range	Watertightness	RoHS
Meet 48 Hours(5% Salt Concentration)	-40°C to +80°C	IP68 (Used water proof kits)	FULL

Material and Plating

Part	Material	Plating
Body	Brass	Tri-Alloy⩾3μm
Center Conductor	Brass/Phosphor Bronze	Ag⩾3μm
Insulator	PTFE/TPX	—
Sealing Ring	Silicone Rubber	—
Other Metal Parts	Brass	Ni⩾2.5μm



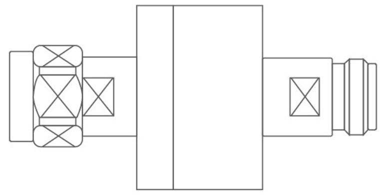
DC-Block

Connector Type

- NM-NF、7/16M-7/16F

Interface

- IEC 60169-16；IEC 60169-4



Electrical Characteristics

Characteristic Impedance	Frequency Range	VSWR	Insertion Loss	Blocking DC Voltage	Contact Resistance	
					Outer Contact	Centre Contact
50Ω	50-3700MHz	≤1.15 (50-3000MHz) ≤1.25 (3000-3700MHz)	≤0.25 dB	3000V	≤0.25/0.2mΩ (N/7/16)	≤1.00/0.4mΩ(N/7/16)

Mechanical Characteristics

Durability	
Mating Cycles	≥500

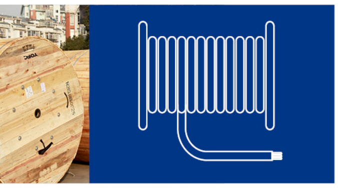
Environmental Characteristics

Salt Spray	Temperature Range	Watertightness	RoHS
Meet 48 Hours(5% Salt Concentration)	-45°C to +85°C	IP40	Compliance

Material and Plating

Part	Material	Plating
Outer Conductor	Brass	Tri-Alloy≥3μm
Center Conductor	Brass/Phosphor Bronze	Ag≥3μm
Insulator	PTFE/TPX	—
Body	POM	—
Other Metal Parts	Brass	Ni≥2.5μm

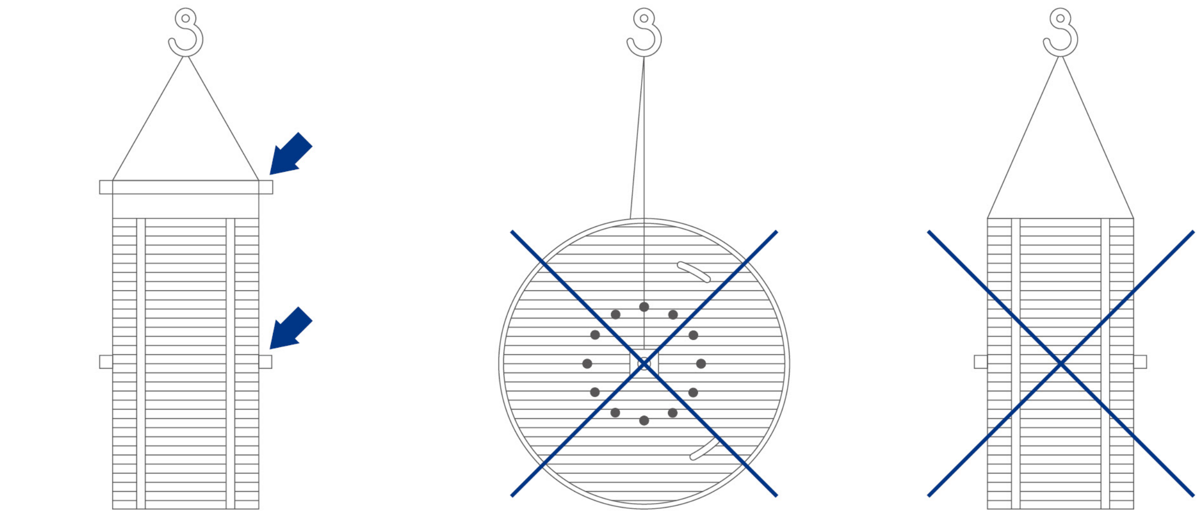
Packing Information



Packing Information for RF Coaxial Cable

Handling Instructions for Transportation

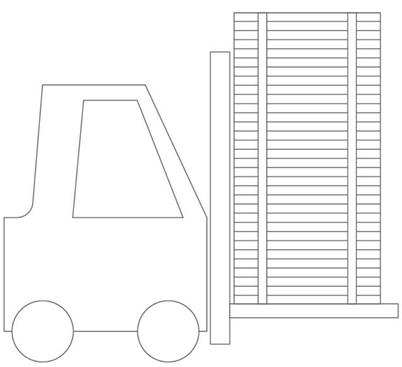
Only lift with bar through center

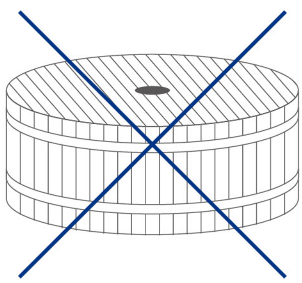


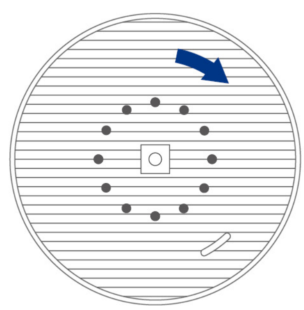
When handling with forklift; keep upright

Keep upright, do not lay flat

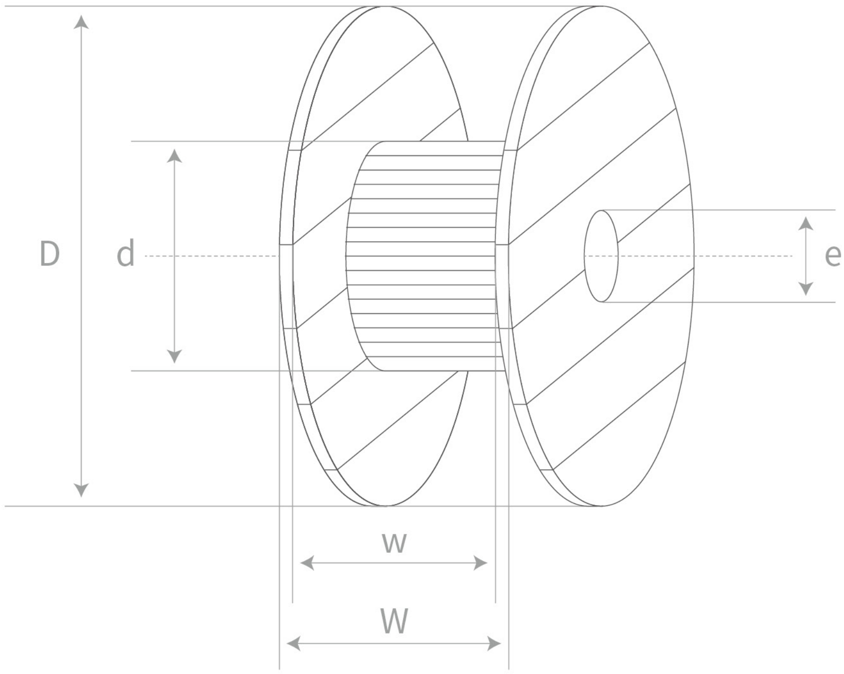
Roll according to arrow





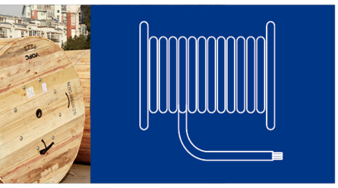


Drum for RF Coaxial Cable

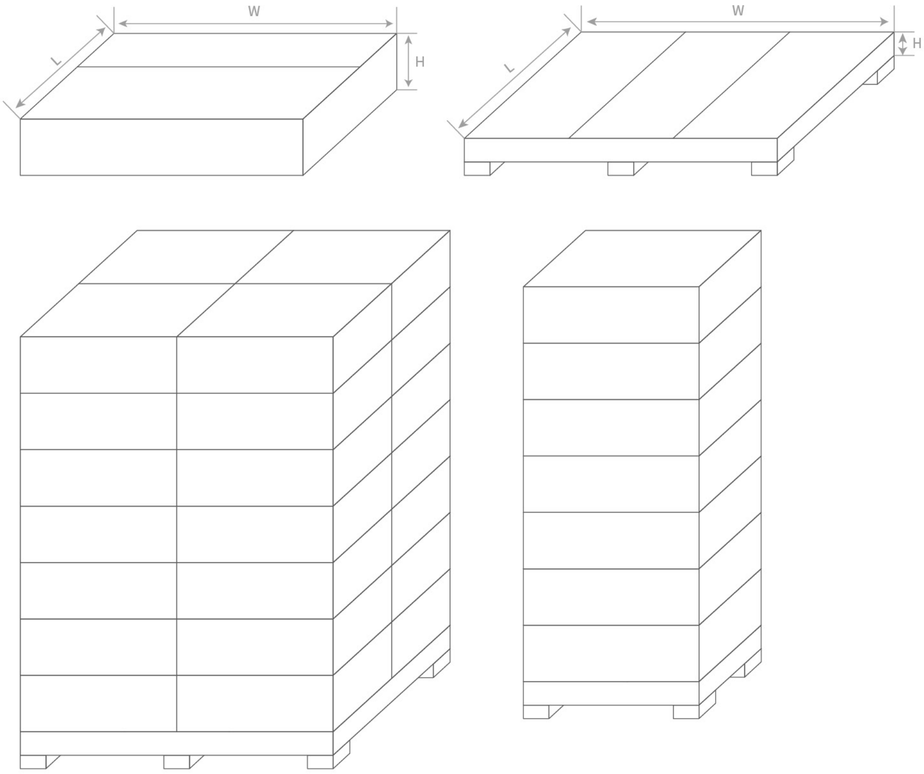


Drum for RF Cable

Cable Type	Cable Length(m)	Diameter(cm)	Width(cm)	Drum(m^3)	The Quantity of Drums for 20GP	The Quantity of Drums for 40HQ
RF 1/2"	200 - 500	74	55	0.31	87	180
RFF 1/2"	200 - 600	74	55	0.31	87	180
RF 7/8"	300 - 500	114	74	0.97	28	60
RF 1 1/4"	300 - 500	176	71	2.20	9	19
RF 1 5/8"	300 - 500	214	71	3.26	7	16



Carton Package



Product	Length (mm)	Width (mm)	Height (mm)
RF 1/2	630	630	230
RFF 1/2	600	600	250

Pallet	Length (mm)	Width (mm)	Height (mm)
One Carton Per Level	670	670	125
Four Carton Per Level	1280	1280	125

Stack: 7 stacks at most

Passed:YD/T1092-2013

Passed:TB/T 3201-2015

Passed:YD/T1092-2013

Passed:ISO 14001:2015

Passed:ISO 9001:2015

Passed:ISO 45001:2015

Smart Link Better Life.

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WeChat