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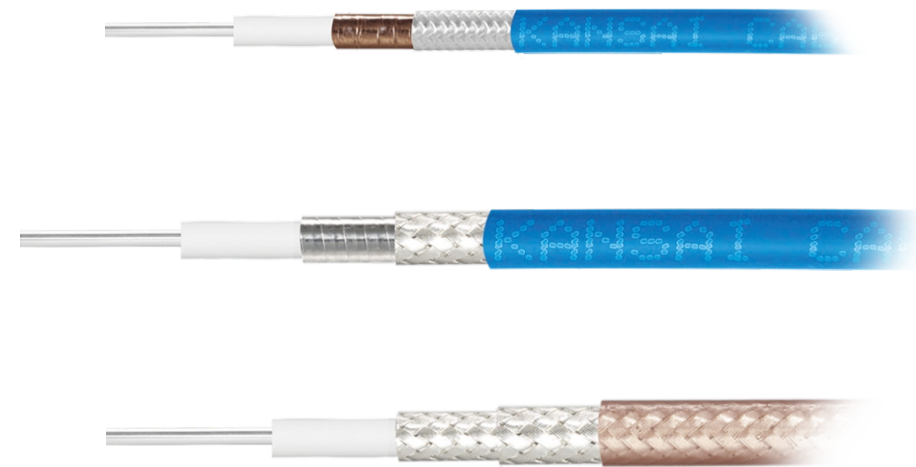
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高性能射频同轴电缆

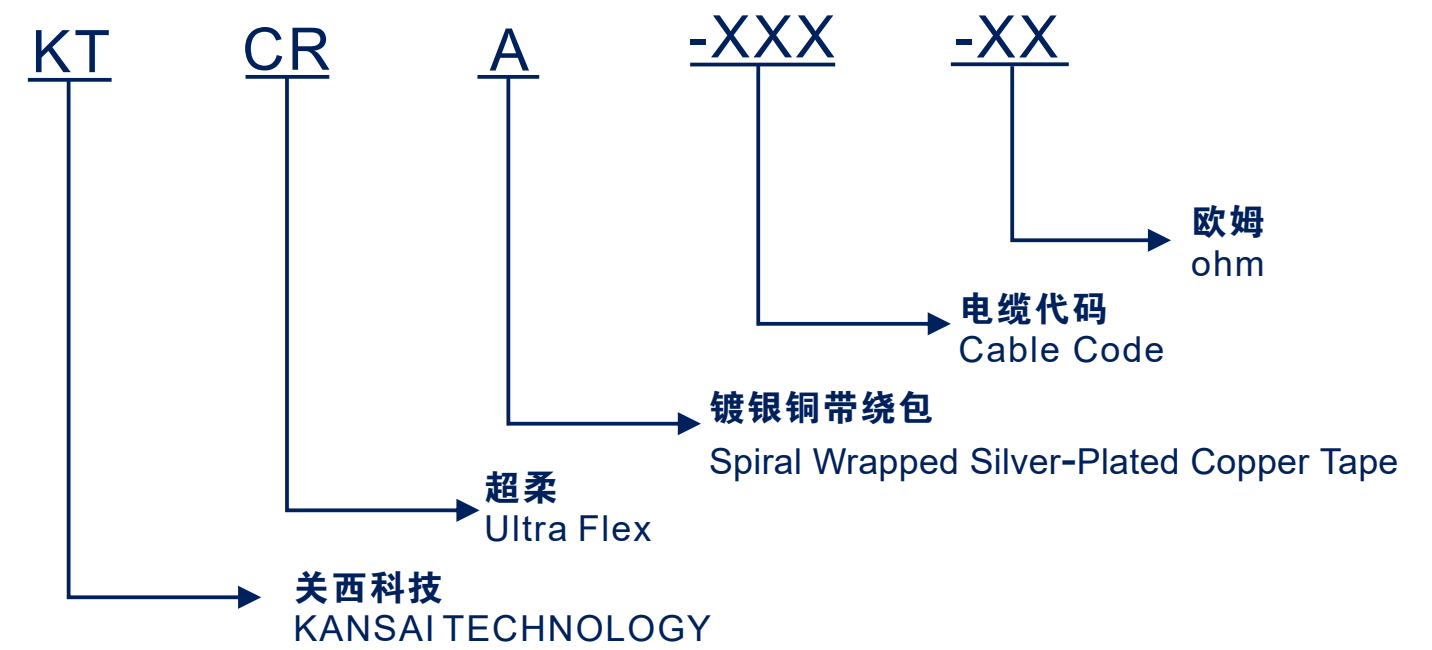
HIGH PERFORMANCE RF COAXIAL CABLE



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A = 镀银铜带绕包
Spiral Wrapped Silver-Plated Copper Tape

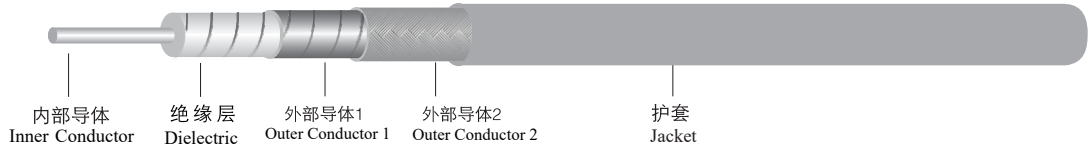
B = 镀银铜带编织+高温铝箔
Silver-Plated Copper Tape Braiding (Shield) + High Temperature Aluminum Foil

C = 自粘箔
Bonded Aluminum Foil

举例：电缆型号“KTCRA-480-50”表示关西科技，超柔，镀银铜带绕包，480护套外径，50欧姆。

Example: cable part no. “KTCRA-480-50” KT refers to KANSAI TECHNOLOGY, CR refers to Ultra Flex, 480 refers to Cable Code, 50 refers to 50 ohm.

KTCRA-220-50 FEP



型 号 Model	FEP KTCRA-220-50		
描 述 Description	KTCRA-220-50 低损耗稳相射频同轴电缆 KTCRA-220-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	0.51 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	1.43 ± 0.03 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	1.55 ± 0.03 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	1.85 ± 0.05 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	2.20 ± 0.10 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	80%
	工作频率	Operating Frequency	40 GHz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	500 (V.DC)
	弯曲相位	Bending Phase Stability	± 10° @40GHz
	温度相位	Temperature Phase	800 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.15 dB @40GHz
机械特性 Mechanical Data	备注： 1. 围绕半径22mm圆柱体旋转360° 。		Remarks: 1. Rotate 360° around a 22mm radius cylinder.
	2. 电缆上下抖动，抖动高度距离桌面不超过150mm， 频率每分钟100次以内。		2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.
	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	11 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	22 mm
	环保	RoHS	Compliant/合规
衰减量和功率 Attenuation & Power	工作温度	Operating Temperature	–55℃~125℃
	重量	Weight	18 g/m
	频率数 Frequency (GHz)	衰 减 量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	34.2	500
	2	90.1	190
可代替型号 Replaceable Type	6	159.7	107
	10	209.5	82
	18	287.7	59
	26.5	355.9	48
	40	448.0	38
GORE CXN3506			

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

$$K1 \times \sqrt{FMHz} + K2 \times FMHz$$

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRA-360-50 FEP



型 号 Model	FEP KTCRA-360-50		
描 述 Description	KTCRA-360-50 低损耗稳相射频同轴电缆 KTCRA-360-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	0.91 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	2.50 ± 0.05 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	2.66 ± 0.05 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	3.06 ± 0.05 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	3.60 ± 0.10 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	81%
	工作频率	Operating Frequency	40 GHz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	900 (V.DC)
	弯曲相位	Bending Phase Stability	± 8° @40GHz
	温度相位	Temperature Phase	750 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.10 dB @40GHz
	备注： 1. 围绕半径36mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm， 频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 36mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		
机械特性 Mechanical Data	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	18 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	36 mm
	环保	RoHS	Compliant/合规
	工作温度	Operating Temperature	–55℃~165℃
	重量	Weight	33 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	20.4	940
	2	53.4	359
	6	93.8	204
	10	122.3	157
	18	166.7	115
	26.5	204.8	94
	40	255.7	75

可代替型号
Replaceable Type

GORE CXN3507

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

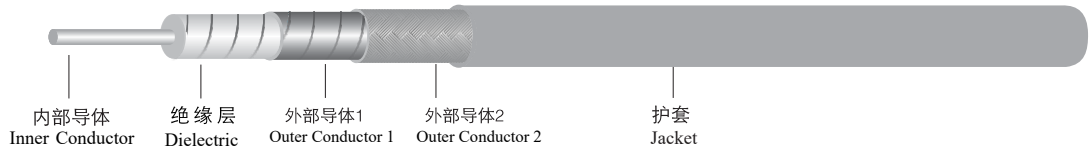
计算公式:
Calculation formula:

$K1 \times \sqrt{\text{FMHz}} + K2 \times \text{FMHz}$

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRA-480-50 FEP



型 号 Model	FEP KTCRA-480-50		
描 述 Description	KTCRA-480-50 低损耗稳相射频同轴电缆 KTCRA-480-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.40 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	3.80 ± 0.05 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	4.00 ± 0.05 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	4.30 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	4.80 ± 0.10 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	81%
	工作频率	Operating Frequency	26.5 GHz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	1300 (V.DC)
	弯曲相位	Bending Phase Stability	± 8° @26.5GHz
	温度相位	Temperature Phase	700 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.10 dB @26.5 GHz
	备注： 1. 围绕半径48mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm， 频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 48mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		
机械特性 Mechanical Data	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	25 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	48 mm
	环保	RoHS	Compliant/合规
	工作温度	Operating Temperature	–55℃~165℃
	重量	Weight	55 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	13.0	1680
	2	34.0	615
	6	59.8	350
	8	69.4	301
	10	78.0	268
	18	106.2	197
	26.5	130.5	160

可代替型号
Replaceable Type

GORE CXN3449

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

$K1 \times \sqrt{\text{FMHz}} + K2 \times \text{FMHz}$

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRA-500-50 FEP



型 号 Model	FEP KTCRA-500-50		
描 述 Description	KTCRA-500-50 低损耗稳相射频同轴电缆 KTCRA-500-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.45 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	4.00 ± 0.05 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	4.20 ± 0.05 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	4.70 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	5.20 ± 0.15 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	82%
	工作频率	Operating Frequency	26.5 GHz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	1500 (V.DC)
	弯曲相位	Bending Phase Stability	± 6° @26.5GHz
	温度相位	Temperature Phase	700 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.10 dB @26.5 GHz
	备注： 1. 围绕半径52mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm，频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 52mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		
机械特性 Mechanical Data	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	26 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	52 mm
	环保	RoHS	Compliant/合规
	工作温度	Operating Temperature	–55℃~165℃
	重量	Weight	63 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰 减 量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	12.5	1608
	2	32.7	615
	6	57.4	350
	8	66.6	302
	10	74.8	268
	18	101.9	197
	26.5	125.2	160

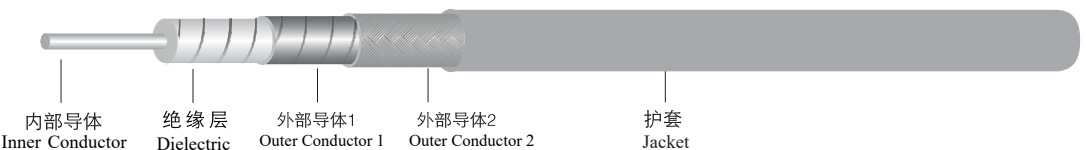
衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRA-550-50 FEP



型 号 Model	FEP KTCRA-550-50		
描 述 Description	KTCRA-550-50 低损耗稳相射频同轴电缆 KTCRA-550-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.63 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	4.30 ± 0.05 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	4.50 ± 0.05 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	5.10 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	5.60 ± 0.10 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	83%
	工作频率	Operating Frequency	26.5 GHz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	1400 (V.DC)
	弯曲相位	Bending Phase Stability	± 6° @26.5GHz
	温度相位	Temperature Phase	650 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.10 dB @26.5GHz
	备注： 1. 围绕半径56mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm，频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 56mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		
机械特性 Mechanical Data	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	28 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	56 mm
	环保	RoHS	Compliant/合规
	工作温度	Operating Temperature	–55℃~165℃
	重量	Weight	95 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰 减 量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	11.3	2290
	2	29.8	867
	6	53.0	487
	8	61.8	418
	10	69.7	371
	18	96.0	269
	26.5	119.1	217

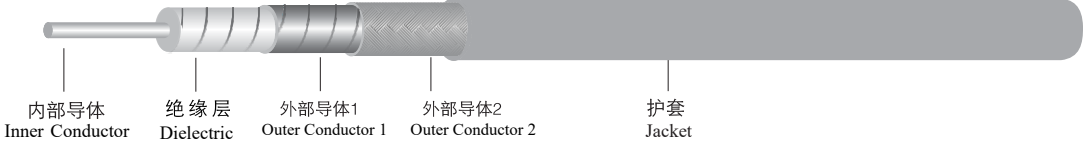
衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRA-800-50 FEP



型 号 Model	FEP KTCRA-800-50		
描 述 Description	KTCRA-800-50 低损耗稳相射频同轴电缆 KTCRA-800-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	2.30 ± 0.02 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	6.30 ± 0.05 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	6.50 ± 0.05 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	7.10 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	7.85 ± 0.15 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	83%
	工作频率	Operating Frequency	18 GHz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	3500 (V.DC)
	弯曲相位	Bending Phase Stability	± 5° @40GHz
	温度相位	Temperature Phase	650 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.10 dB @40GHz
	备注： 1. 围绕半径80mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm，频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 80mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		

机械特性 Mechanical Data	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	40 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	80 mm
	环保	RoHS	Compliant/合规
	工作温度	Operating Temperature	–55℃~165℃
	重量	Weight	130 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	8.0	3314
	2	21.1	1259
	6	37.3	711
	8	43.4	610
	10	48.9	542
	12	53.9	492
	18	67.1	395

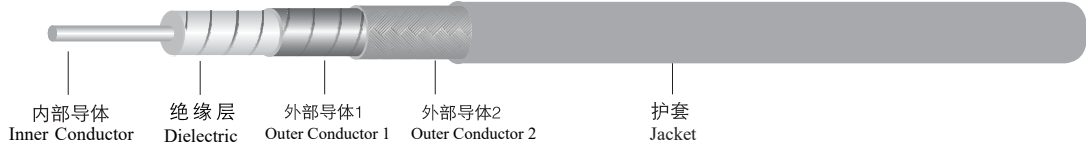
衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRA-1200-50 FEP



型 号 Model	FEP KTCRA-1200-50		
描 述 Description	KTCRA-1200-50 低损耗稳相射频同轴电缆 KTCRA-1200-50 Ultra Low-Loss Phase Stable RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	3.80 ± 0.02 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	10.40 ± 0.10 mm
	外部导体 1 Outer Conductor 1	镀银铜带绕包 Silver-Plated Copper Wrapped Foil	10.78 ± 0.10 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	11.35 ± 0.15 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	12.00 ± 0.15 mm
电气特性 Electrical Data	阻抗	Nominal Impedance	50 ohm
	传输速率	Nominal Velocity of Propagation	83%
	工作频率	Operating Frequency	10 Ghz
	屏蔽效率	Shielding Effectiveness	90 dB
	耐压	Voltage Withstand	5000 (V.DC)
	弯曲相位	Bending Phase Stability	± 6° @10GHz
	温度相位	Temperature Phase	650 PPM (–55℃~+85℃)
	幅度稳定	Mechanical Phase Stability	± 0.05 dB @10GHz
	备注： 1. 围绕半径120mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm，频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 120mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		

机械特性 Mechanical Data	最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	60 mm
	最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	120 mm
	环保	RoHS	Compliant/合规
	工作温度	Operating Temperature	–55℃~165℃
	重量	Weight	280 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	5.3	5691
	1	9.9	3045
	2	14.4	2108
	3	17.9	1694
	6	26.2	1157
	8	30.8	984
	10	35.0	867

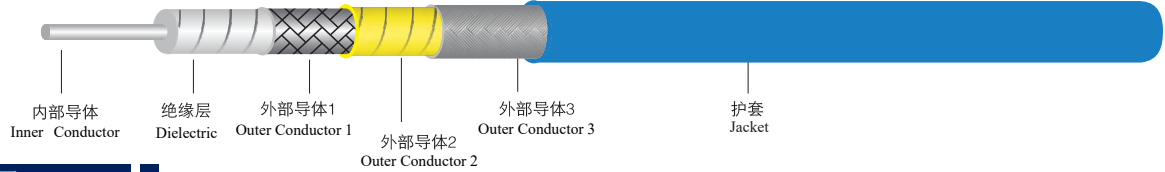
衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRB-460-50 FEP



型 号 Model	FEP KTCRB-460-50		
描 述 Description	KTCRB-460-50 高性能低损耗射频同轴电缆 KTCRB-460-50 Ultra Low-Loss RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.02 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	3.05 ± 0.05 mm
	外部导体1 Outer Conductor 1	镀银铜带编织 Silver-Plated Copper Braided Tape (Shield)	3.25 ± 0.05 mm
	外部导体2 Outer Conductor 2	高温铝箔 High-Temperature Aluminum Foil	3.49 ± 0.05 mm
	外部导体3 Outer Conductor 3	镀银铜线编织 Silver-Plated Copper Braided Wire	4.00 ± 0.05 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 蓝色 半透明 Fluorinated Ethylene Propylene (FEP) Blue Translucent	4.60 ± 0.10 mm
电气特性 Electrical Data	阻抗 Transmission rate 工作频率 屏蔽效率 耐压 弯曲相位 幅度稳定	Nominal Impedance Nominal Velocity of Propagation Operating Frequency Shielding Effectiveness Voltage Withstand Bending Phase Stability Mechanical Phase Stability	50 ohm 76% 26.5GHz 100 dB 900 (V.DC) ± 8° @18GHz ± 0.15 dB@18GHz
	备注： 1. 围绕半径46mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm， 频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 46mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		
机械特性 Mechanical Data	最小弯曲半径(一次) 最小弯曲半径(数次) 环保 工作温度 重量	Minimum Bending Radius (for bending once) Minimum Bending Radius (for multiple bending) RoHS Operating Temperature Weight	20 mm 46 mm Compliant/合规 -55℃~200℃ 50 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	19.2	1047
	2	50.4	400
	6	88.8	227
	8	103.2	195
	12	127.7	158
	18	158.3	127
	26.5	194.9	103

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRB-520-50 FEP



型 号 Model	FEP KTCRB-520-50		
描 述 Description	KTCRB-520-50 高性能低损耗射频同轴电缆 KTCRB-520-50 Ultra Low-Loss RF Coaxial Cable		
结构参数 Structure Parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.29 ± 0.01mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	3.90 ± 0.05 mm
	外部导体1 Outer Conductor 1	镀银铜带编织 Silver-Plated Copper Braided Tape (Shield)	4.15 ± 0.05 mm
	外部导体2 Outer Conductor 2	高温铝箔 High-Temperature Aluminum Foil	4.28 ± 0.05 mm
	外部导体3 Outer Conductor 3	镀银铜线编织 Silver-Plated Copper Braided Wire	4.73 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 蓝色 半透明 Fluorinated Ethylene Propylene (FEP) Blue Translucent	5.20 ± 0.15 mm
电气特性 Electrical Data	阻抗 传输速率 工作频率 屏蔽效率 耐压	Nominal Impedance Nominal Velocity of Propagation Operating Frequency Shielding Effectiveness Voltage Withstand	50 ohm 76% 18 GHz 100 dB 1500 (V.DC)
	备注： 1. 围绕半径52mm圆柱体旋转360° 。 2. 电缆上下抖动，抖动高度距离桌面不超过150mm， 频率每分钟100次以内。		
	Remarks: 1. Rotate 360° around a 52mm radius cylinder. 2. The cable oscillates up and down, with the oscillation height not exceeding 150mm from the tabletop, and the frequency is no more than 100 times per minute.		
机械特性 Mechanical Data	最小弯曲半径(一次) 最小弯曲半径(数次) 环保 工作温度 重量	Minimum Bending Radius (for bending once) Minimum Bending Radius (for multiple bending) RoHS Operating Temperature Weight	25 mm 52 mm Compliant/合规 -55℃~200℃ 60 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	15.0	1338
	2	39.5	509
	6	69.9	287
	8	81.3	247
	10	91.5	219
	12	100.9	199
	18	125.5	160

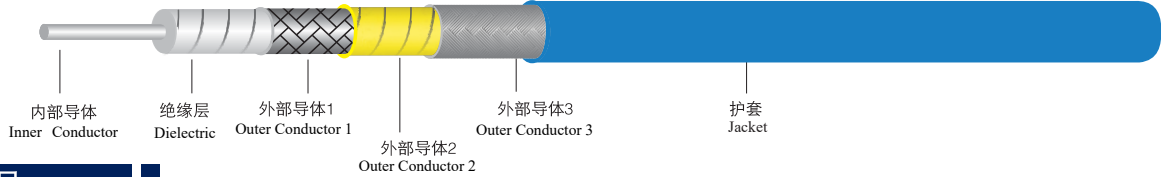
衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。
2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRB-630-50 FEP



型 号 Model	FEP KTCRB-630-50		
描 述 Description	KTCRB-630-50 高性能低损耗射频同轴电缆 KTCRB-630-50 Ultra Low-Loss RF Coaxial Cable		
结构参数 Structure parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.57 ± 0.02 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	4.72 ± 0.05 mm
	外部导体1 Outer Conductor 1	镀银铜带编织 Silver-Plated Copper Braided Tape (Shield)	4.96 ± 0.05 mm
	外部导体2 Outer Conductor 2	高温铝箔 High-Temperature Aluminum Foil	5.10 ± 0.10 mm
	外部导体3 Outer Conductor 3	镀银铜线编织 Silver-Plated Copper Braided Wire	5.55 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 蓝色 半透明 Fluorinated Ethylene Propylene (FEP) Blue Translucent	6.30 ± 0.15 mm

电气特性 Electrical Data	阻抗 Nominal Impedance	50 ohm
	传输速率 Nominal Velocity of Propagation	76%
	工作频率 Operating Frequency	18 GHz
	屏蔽效率 Shielding Effectiveness	100 dB
	耐压 Voltage Withstand	2500 (V.DC)

机械特性 Mechanical Data	最小弯曲半径(一次) Minimum Bending Radius (for bending once)	31 mm
	最小弯曲半径(数次) Minimum Bending Radius (for multiple bending)	62 mm
	环保 RoHS	Compliant/合规
	工作温度 Operating Temperature	-55℃~200℃
	重量 Weight	85 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.4	13.9	1630
	2	31.7	714
	6	56.4	401
	8	65.8	344
	10	74.2	305
	12	81.9	277
	18	102.2	221

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

$$K1 \times \sqrt{FMHz} + K2 \times FMHz$$

备注：1.护套的材料和颜色可以根据客户要求定制。

2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRC-350-50 FEP



型 号 Model	FEP KTCRA-350-50		
描 述 Description	KTCRC-350-50 低损耗经济型射频同轴电缆 KTCRC-350-50 Ultra Low-Loss Economical RF Coaxial Cable		
结构参数 Structure parameter	内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	0.91 ± 0.01 mm
	绝缘介质 Dielectric	低密度聚四氟乙烯 (LD-PTFE) Low-Density Polytetrafluoroethylene (LD-PTFE)	2.60 ± 0.05 mm
	外部导体 1 Outer Conductor 1	自粘铝箔 Bonded Aluminum Foil	2.76 ± 0.05 mm
	外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	3.15 ± 0.10 mm
	护 套 Jacket	聚全氟乙丙烯 (FEP) 灰色 Fluorinated Ethylene Propylene (FEP) Grey	3.50 ± 0.10 mm

电气特性 Electrical Data	阻抗 Nominal Impedance	50 ohm
	传输速率 Nominal Velocity of Propagation	76%
	工作频率 Operating Frequency	18 GHz
	屏蔽效率 Shielding Effectiveness	90 dB
	耐压 Voltage Withstand	800 (V.DC)

机械特性 Mechanical Data	最小弯曲半径(一次) Minimum Bending Radius (for bending once)	14 mm
	最小弯曲半径(数次) Minimum Bending Radius (for multiple bending)	35 mm
	环保 RoHS	Compliant/合规
	工作温度 Operating Temperature	-55℃~125℃
	重量 Weight	29 g/m

衰减量和功率 Attenuation & Power	频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
	0.3	20.9	850
	2	55.1	323
	6	97.6	182
	8	113.6	156
	10	128.0	139
	12	141.1	126
	18	175.7	101

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式:
Calculation formula:

$$K1 \times \sqrt{FMHz} + K2 \times FMHz$$

备注：1.护套的材料和颜色可以根据客户要求定制。

2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.

KTCRC-500-50 FEP



型 号
Model

FEP KTCRC-500-50

描 述
Description

KTCRC-500-50 低损耗经济型射频同轴电缆
KTCRC-500-50 Ultra Low-Loss Economical RF Coaxial Cable

结构参数
Structure parameter

内部导体 Inner Conductor	镀银铜 Silver-Plated Copper	1.45 ± 0.01 mm
绝缘介质 Dielectric	低密度聚四氟乙烯（LD-PTFE） Low-Density Polytetrafluoroethylene (LD-PTFE)	4.30 ± 0.05 mm
外部导体 1 Outer Conductor 1	自粘铝箔 Bonded Aluminum Foil	4.38 ± 0.05 mm
外部导体 2 Outer Conductor 2	镀银铜线编织 Silver-Plated Copper Braided Wire	4.78 ± 0.10 mm
护 套 Jacket	聚全氟乙丙烯（FEP）蓝色 Fluorinated Ethylene Propylene (FEP) Blue	5.20 ± 0.15 mm

电气特性
Electrical Data

阻抗	Nominal Impedance	50 ohm
传输速率	Nominal Velocity of Propagation	76%
工作频率	Operating Frequency	13.5 GHz
屏蔽效率	Shielding Effectiveness	90 dB
耐压	Voltage Withstand	1500 (V.DC)

机械特性
Mechanical Data

最小弯曲半径(一次)	Minimum Bending Radius (for bending once)	25 mm
最小弯曲半径(数次)	Minimum Bending Radius (for multiple bending)	52 mm
环保	RoHS	Compliant/合规
工作温度	Operating Temperature	-55℃~125℃
重量	Weight	60 g/m

衰减量和功率
Attenuation & Power

频率数 Frequency (GHz)	衰减量 Attenuation (dB/100m)	功 率 Power (Watts CW)
0.3	12.8	1428
2	34.3	532
3	42.6	428
6	62.1	293
8	72.9	250
10	82.7	220
13.5	98.1	186

衰减，功率容量的标示基于20℃海平面条件下测示的结果。
Attenuation and power test result bases on 20℃ sea level condition.

计算公式: $K1 \times \sqrt{FMHz} + K2 \times FMHz$
Calculation formula:

备注：1.护套的材料和颜色可以根据客户要求定制。

2.说明书上的线缆颜色跟实物会有一些差别，以实际的线缆颜色为准。

Remarks:
1. Material and color of the jacket can be customized according to customer requirements.
2. The colors of the cables may slightly differ from those shown in the manual. Please refer to the actual products for accurate color representation.