

RA-S6GC-WS

6G-SDI Coaxial Cable



Product overview

6g-sdi cable supports 6GB / s bitrates and continues to upgrade the transmission volume on the basis of 3g-sdi cable. 6g-sdi has reached the high-quality image quality of 1080p 120fps. Of course, its upgrade does not stop here. In addition to the high-quality image quality of 1080p 120fps, 6g-sdi cable has supported 4K 30fps image quality, which can be widely used in various large-scale live broadcasting, television stations, film shooting and other scenes.

Construction

Conductor	Material	OFC
	Diameter	1.02 mm ± 0.02 mm
	Wire Gauge	18 AWG
Insulation	Material	FPE
	Diameter Diameter	4.57 mm ± 0.3 mm
AL Foil	Construction	With Foil
	Material	APG
	Width	18 mm
	thickness	> 0.024 mm
	Overlap Rate	≥ 20%
Braid	Material	OFC
	Diameterr	0.12 mm
	Braid Coverage	90% - 98%
Jacket	Material	PVC
	Diameter	6.91 mm ± 0.3 mm

Packing

Package length	10m / 30m / 50m / 100m
	Customized
Box type	Ordinary / Waterproof / Trolley
	Customized optional

Test Data

Dielectric Strength	Not breakdown with 2kV DC for 1 min
Sheath Strength	Not breakdown with 3kV
Characteristic Resistance	75Ω ± 5Ω
Insulation Resistance	5000MΩ/km
Elongation at Break (Wire)	≥ 15%
Elongation at Break (Sheath)	≥ 150%
Low Temperature Bending	Not cracked
Thermal Shock	Not cracked
Operating Temperature	- 20°C to +60°C (-4°F to 140°F)
Storage Temperature	- 10°C to +40°C (14°F to 104°F)

Certifications and Standards

Certification	CPR Eca
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Technical Test [Attenuation @68°F(20°C)]

Frequency(MHZ)	Maximum(dB/100ft)	Maximum(dB/100m)
1	0.24	0.80
5	0.52	1.73
10	0.71	2.36
25	1.08	3.60
67.5	1.65	5.49
100	1.95	6.49
135	2.24	7.46
180	2.57	8.56
270	3.17	10.56
360	3.69	12.29
540	4.50	14.99
720	5.30	17.65
1000	6.30	20.98
2000	9.20	30.64
2250	9.80	32.63
3000	11.50	38.30
4500	14.5	48.28
6000	17.7	58.94