

RA-S3GC-WS

3G-SDI Coaxial Cable



Product overview

Compared with HD-SDI cable, 3g-sdi cable increases bitrates from 1.485mb/s of HD-SDI to 2.970gb/s, which is a very big breakthrough in bitrates. Also because of the improvement of bitrates, 3g-sdi can transmit more stable and a large number of digital signals. Therefore, 3g-sdi will support real 1080p video effect and even 1080p 60fps image quality.

Construction

Conductor	Material	OFC
	Diameter	0.81 mm ± 0.02 mm
	Wire Gauge	20 AWG
Insulation	Material	FPE
	Diameter Diameter	3.66 mm ± 0.3 mm
AL Foil	Construction	With Foil
	Material	APG
	Width	14 mm
	thickness	> 0.024 mm
	Overlap Rate	≥ 20%
Braid	Material	OFC
	Diameterr	0.12 mm
	Braid Coverage	90% - 98%
Jacket	Material	PVC
	Diameter	6.1 mm ± 0.3 mm

Packing

Package length	10m / 30m / 50m
	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
Executive Standards	Q/DXJ 194-2020

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