

# ET-SHDC-01

HD-SDI Coaxial Cable



## Product overview

HD-SDI cable can transmit high-definition digital video signal, ensuring the best effect of video signal. The bitrates of HD-SDI can reach 1.485mb/s, can transmit 720p video pictures, and even support 1080i video pictures.

## Construction

Conductor	Material	OFC
	Diameter	0.51 mm ± 0.02 mm
	Wire Gauge	24 AWG
Insulation	Material	FPE
	Diameter	3.0 mm ± 0.3 mm
AL Foil	Construction	With Foil
	Material	APG
	Width	12 mm
	thickness	> 0.024 mm
	Overlap Rate	≥ 30%
Braid	Material	OFC
	Diameter	0.12 mm
	Braid Coverage	90% - 98%
Jacket	Material	PVC
	Diameter	5.0 mm ± 0.2 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)
5	2.88	9.60
100	4.13	13.75
300	7.29	24.27
500	9.53	31.74
100	13.80	45.95