

Product information

The CCX160 is a coaxial installation cables featuring a FlamoFlex™ outer jacket compliant to the IEC 60332-1 standard regarding fire and flammability resistance in public installations. The FlamoFlex™ material is specifically designed with installers convenience in mind, offering a smooth and durable outer jacket for easy installation and pulling. This cable is designed according the RG6/U standards, featuring a solid high purity copper conductor which is surrounded by polyethylene isolator. The double shielding consisting of an overall aluminum foil surrounded by a braiding offers a high immunity against noise and interference caused by external devices. The CCX160 cable can be used for a wide variety of installation applications such as CATV and CCTV distribution, analogue video interconnections as well has HDTV digital SDI, HD-SDI and 3G-SDI video transmissions. Compatible with Neutrik BNC connector NBNC75BTU11.

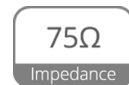
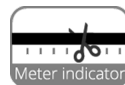


Recommended HD distance : 140 m

Highlights

- FlamoFlex™ IEC 60332-1 installation jacket
- Double shielding (Al-foil + Braiding)
- HD-SDI up to 111 meter
- 3G-SDI up to 76 meter

Properties



Inner Conductors



Shielding



Usage

INSTALL

Physical Characteristics			
Type of cable		75 coaxial video cable	
Inner conductor	Material	BC 1 x 1.02 mm (Ø) (OFC)	
	Section	0.82 mm²	
	Number of conductors	1	
Separator		None	
Inner conductor	American Wire Gauge	18 AWG	
	Insulation	Material	FPE 4.57 mm (Ø)
		Colours	White
Overall shielding	Aluminium foil	Al-mylar, 100% coverage - 25% Overlap	
	Braiding	TC 16 x 9 x 0.12 mm (Ø) (OFC)	
Outer jacket	Material	NHFR 7 mm (Ø)	
	Colours	Black	

Standards & regulations		Electrical Characteristics		
RoHS2 compliant	According EU Directive 2011/65/EU	Max. conductor	DC resistance	22.5 (/ Km)
Reach compliant	According EC 1907/2006	Conductor to shield Nom. Capacitance		53 (pF/m)
Flammability test	According IEC 60332-1	Dielectric strength		0.5 (KV / 1 min. DC)
Indoor / outdoor	UV resistant (UL1581, UVA, 720 h)	Nom. shield DC resistance		14.9 (/ Km)
Circuit integrity	n/a	Characteristic impedance		75 ± 5
Smoke emissions	According IEC 61034	Rated voltage		300 V
Zero halogen compounds	According EN 50267-2-1			
	IEC 60754			
Cabling standard	RG6/U			

Mechanical Characteristics		
Temperature range	Fixed installation	- 20 °C till + 80 °C
	Flexible installation	- 15 °C till + 60 °C
Bending radius	Fixed installation	8 x outer diameter
	Flexible installation	10 x outer diameter

Frequency in MHz	5 MHz ~ 1600 MHz	1600 MHz ~ 4500 MHz
Return loss (dB/100m)	> 20 dB	> 15 dB

Freque ncy (MHz)	1	5	10	25	100	180	270	360	540	720	1000	1500	3000	4500
Attenua tion (dB/100 m)	0.71	1.706	2.33	3.543	6.398	9.33	11.50	12.60	15.60	18.20	21.064	26.215	41.00	48.953

Max attenuation = Nom x 1.15

Data Rate	Standard	Example video formats	Recommended distance (m)
270 Mb/s	SMPTE 259 M Component SD-SDI	480i	406
360 Mb/s	SMPTE 259 M Widescreen SD-SDI	576i	354
1.5 Gb/s	SMPTE 292M HD-SDI	720p / 1080i	111
3 Gb/s	SMPTE 424M 3G-SDI	1080p	76

Recommended length values are based on typical attenuation values by 30 dB loss at 1/2 clock frequency, but are depending on equalizer on receiving side. Recommendations are based on 20 dB equalizer, but can increase depending of the used equalizer.