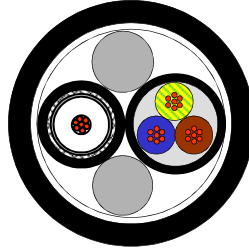


751-704

Studio Connecting Cable



Application

Studio connecting cables are primary used in closed circuit TV systems and for compact installations in studios and broadcasting vans.

Standards

Flame resistance

Not for fixed installation in construction works

Construction

Element 1: coaxial 0.6L/2.8 AF – 75 Ω

Inner conductor	stranded copper wires, bare, 7 x 0,20 mm, diameter 0.6 mm
Insulation	foam-PE, diameter 2.8 mm
Outer conductor	Al-PET-Al-foil and copper braid, tinned, diameter 3.4 mm
Sheath	DMC FLEX PVC, diameter 4.5 mm matt black, RAL 9005

Element 2: power cable 3 x 1.0 mm²

Inner conductor	stranded copper wires, bare 32 x 0.20 mm, diameter 1.3 mm
Insulation	HDPE wall thickness 0.40 mm, diameter 2.1 mm
Identification	1 x blue, 1 x brown, 1 x yellow-green
Core lay up	(0 + 3) 3 cores twisted to the bundle, diameter 4.5 mm
Wrapping	1 x PET-foil, diameter 4.6 mm
Sheath	DMC FLEX PVC, wall thickness 0.65 mm, diameter 5.9 mm matt black, RAL 9005

Cable lay up

Stranding	1 x Element 1 + 1 x Element 2 + 2 fillers diameter 10.4 mm
Wrapping	1 x PET-foil, diameter 10.5 mm
Sheath	DMC FLEX PVC, diameter 13.5 mm matt black, RAL 9005
Printing	DRAKA 751-704

751-704

Electrical properties

at 20°C

Coaxial 0.6L/2.8 – 75 Ω

Characteristic impedance		75 Ω ± 1.5 Ω
Screening factor		> 100 dB
Velocity ratio		78 %
DC resistance	Inner conductor	82 Ω/km
	Outer conductor	17 Ω/km
Mutual capacitance		56 pF/m

Power cable 3 x 1.0 mm²

DC resistance		< 19.5 Ω/km
Insulation resistance	core/environment	≥ 10 MΩ*km
Operating voltage	AC U _{rms}	230 V
	DC	300 V

Electrical data

at 20°C

Coaxial 0.6/2.8 - 75 Ω

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	1.5	50 – 300	> 22
3	2.4	300 – 800	> 18
5	2.9		
10	4.1		
30	6.8		
100	12.1		
200	17.6		
300	21.5		
500	28.1		
800	35.6		

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size *OWD	Copper content	Tensile force N	Minimum bending radius N mm	Storage
1002291 CT2785500	751-704 DMC FLEX PVC	175	500	1000/500 /560	77.6	225	120	inside

*OWD (oneway drum)

[PRODUCT CODE TABLE]

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