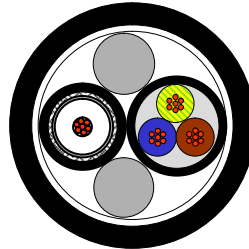




## 751-704

### 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

### 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 1.5 mm<sup>2</sup>

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	<b>DRAKA COMTEQ 751-704</b>



## 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 3x1.5 mm

DC resistance		< 19.5 Ω/km
Insulation resistance	core/environment	≥ 10 MΩ*km
Operating voltage	AC U <sub>rms</sub>	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)