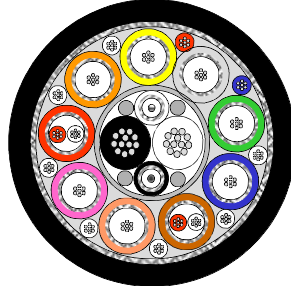


757-12

Multicore Camera Cable



Application

The multicore camera cable 757-12 is used in professional video productions for simultaneous transmission of energy, video and control signals for camera systems of Philips, Sony and Ikegami.

Standards

Flame resistance

Construction

Unit 1, 6 x coaxial cable 0.38/1.7

Inner conductor	stranded copper wires, tinned, diameter 0.4 mm
Insulation	foam-PE, diameter 1.7 mm
Outer conductor	copper braid, tinned, diameter 2.1 mm
Sheath	PVC, diameter 2.6 mm
Identification	yellow, orange, green, blue, pink, brown

Unit 2, 2 x screened control core 0.14 mm²

Inner conductor	stranded copper wires, tinned, diameter 0.5 mm
Insulation	PVC, diameter 1.0 mm
Screen	copper wires, tinned, 32x0.10 mm, diameter 1.2 mm
Sheath	PVC, diameter 1.7 mm
Identification	1 x black, 1 x white

Unit 3, 2 x power core 1.5 mm²

Inner conductor	stranded copper wires, tinned, diameter 1.6 mm
Insulation	PVC, diameter 2.2 mm
Identification	1 x black, 1 x white

Unit 4, 2 x screened audio pair 2 x 0.14 mm²

Inner conductor	stranded copper wires, tinned, diameter 0.5 mm
Insulation	PVC, diameter 0.9 mm
Identification	1 x red, 1 x white
Stranding	2 cores stranded to the pair, diameter 1.8 mm
Screen	copper wires, tinned, 60x0.10, diameter 2.0 mm
Sheath	PVC, diameter 2.5 mm
Identification	1 x orange, 1 x brown, 1 x red

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Unit 5, 9 x pilot core 0.14 mm²

Inner conductor	stranded copper wires, tinned, diameter 0.5 mm
Insulation	PVC, diameter 1.0 mm
Identification	1 x red, 1 x blue, 7 x white

Unit 6, 1xcoaxial cable 0.41/1.9AF

Inner conductor	Copper wire, tinned diameter 0.41 mm
Insulation	foam-PE, diameter 1.9 mm
Outer conductor	Al-Pet-Al foil + copper braid, tinned, diameter 2.5 mm
Sheath	PET-foil , diameter 2.6 mm

Cable lay up

Stranding	
inner layer	2 x unit 3, in each inner interstice, diameter 4.8 mm 1 x unit 2
outer layer	2 x unit 4 and 6 x unit 1+1xunit 6, diameter 10.0 mm sequence: 1 x unit 1-brown, 1 x unit 1-pink, 1 x unit 4-red, 1 x unit 1-orange, 1 x unit 1-yellow, 1 x unit 1-green, 1 x unit 1-blue, 1 x unit 4-brown, 9 x unit 5 in the outer gaps
Wrapping	1 x PET-web, diameter 10.1 mm
Cable screen	copper braid, tinned, diameter 10.7 mm
Sheath	PVC rubber, black RAL 9005 , diameter 12.7 mm
Printing	DRAKA - KAMERAKABEL 757-12

Electrical properties

at 20°C

Coaxial cable 0.38/1.7 - 75 Ω

DC resistance	inner conductor	230 Ω/km
	outer conductor	31 Ω/km
Mutual capacitance	1 kHz	62 ± 7 pF/m
Characteristic impedance	10 MHz	75 ± 5 Ω
Insulation resistance	at 15.6 °C	≥ 1000 MΩ*km
Test voltage		110 V _{AC}
Operating voltage		≤ 30 V _{AC}

Screened control core 0.14 mm²

DC resistance	inner conductor	129 Ω/km
	screen	72 Ω/km
Insulation resistance	at 15.6°C	≥ 0.5 MΩ*km
Test voltage	(50 Hz, 1 min) core/core/environment	110 V _{AC}
Operating voltage		≤ 30 V _{AC}

Power core 1.5 mm²

DC resistance		≤ 12.5 Ω/km
Insulation resistance	at 15.6°C	≥ 0.5 MΩ*km
Test voltage	(50 Hz, 1 min) core/core/screen	110 V _{AC}

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Operating voltage		$\leq 30 V_{AC}$
Screened audio pair 2 x 0.14 mm²		
DC resistance	inner conductor	130 Ω /km
	screen	40 Ω /km
Insulation resistance	at 15.6°C	$\geq 0.5 M\Omega \cdot km$
Test voltage		110 V_{AC}
Operating voltage		$\leq 30 V_{AC}$
Pilot core 0.14 mm²		
DC resistance		129 Ω /km
Insulation resistance	at 15.6°C	$\geq 0.5 M\Omega \cdot km$
Test voltage		110 V_{AC}
Operating voltage		$\leq 30 V_{AC}$

Electrical data

at 20°C

Coaxial cable 0.38L/1.6

Frequency (MHz)	Attenuation (dB/km)
10	79

Technical data

Product code	Type	Weight kg/km	Copper content	Standard delivery length m	Drum size KTG	Minimum bending radius mm	Tensile force N	Storage
CT2739110	757-12 PVC rubber	250	193.2	1000	091	130	800	inside

[PRODUCT CODE TABLE]

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