

NOVACORD

TRIAX 8 FRNC/LSZH



Tinned Copper



Fix construction



Pure signal transmission

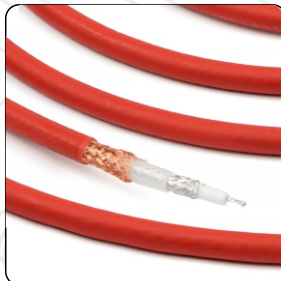


Double screen



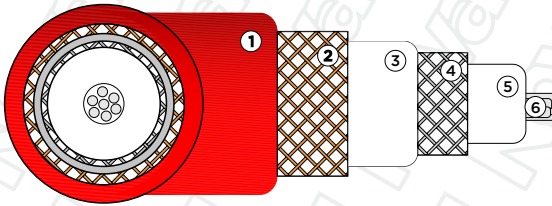
Triaxial camera cables are used simultaneous transmission of energy and multiplex image signals between camera head and control system for SDI and HD-SD, structure: 1.0/4.5 mm silvered copper, insulation PE, inner screen - silvered copper, insulation PE, outer screen - copper braid, FRNC/LSZH jacket, diameter 8.9 mm

Pictures:



HIGHEST QUALITY - RELIABILITY - INNOVATION

Triax cable 1.0/4.5, FRNC/LSZH, 75 Ohm



- 1 - Jacket
- 2 - Screen #1
- 3 - Insulation #1
- 4 - Screen #2
- 5 - Insulation #2
- 6 - Conductor

Structure

Conductor	Cross Sec. Area	0.78 mm ² Ø 1.0 mm
	No. of Cores	1 core
	Material	SC, silvered copper
	Type of conductor	Stranded
	Strand	7/0.32±0.02 mm
Insulation #1	Material	Foam PE
	Diameter	4.5 ±0.1 mm
	Color	White
Screen #1	Type	Braid
	Material	Tinned OFC
	Covering	90%
Insulation #2	Material	PE
	Diameter	6.6 ±0.1 mm
Screen #2	Type	Braid
	Material	Bare copper
	Covering	80%
Jacket	Material	FRNC-LSZH
	Diameter	8.9±0.2 mm
	Color	Red

Triax cable 1.0/4.5, FRNC/LSZH, 75 Ωm

Mechanical properties

Bending radius	90 mm / 10xD (outer diameter)
Max pulling tension	250 N
Temperature range	-30°C to +70°C

Electrical properties

at 20 °C

DC Resistance	inner conductor	≤ 25 Ω/km
	inner screen	≤ 12 Ω/km
	outer screen	≤ 10 Ω/km
Insulation resistance	inner conductor/screen	≤ 10 ⁴ MΩ/km
	inner screen/ outer screen	≤ 10 ³ MΩ/km
Capacitance	800 Hz	54.8 pF/m
Characteristic impedance		75 Ω ± 3%

Electrical data

at 20 °C

Frequency (MHz)	Attenuation (dB/100m)
10	2.38
30	4.16
72	6.52
88	7.23
135	9.01
180	10.47
270	12.95
440	16.76
750	22.28
1300	30.05
1500	32.49
2400	42.21
3000	48.19

Triax cable 1.0/4.5, FRNC/LSZH, 75 Ohm

Return loss	10-750 MHz	25.6 dB
	750-1500 MHz	24.1 dB
	1500-3000 MHz	23.35 dB

Screening factor	30-1000 MHz	> 75 dB
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Standarts

Flame resistance	IEC 60332-3-24
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Technical data

Article	Delivery length	Drum size	Weight
1000DW	1000 m		92 kg