


koax24 cable configuration ARNOFLEX 214 LSNH

Order number [050311](#)

Double Screened 50 Ohm RF Coaxial Cable
 Manufactured in compliance with MIL-C-17F Standards
 In accordance to: IEC 60092-359 IEC 60332-1-2 IEC 60332-3-22A
 IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2

STRUCTURE

	INNER CONDUCTOR	Silvered Copper	7 x 0.75	Ø mm
	DIELECTRIC	Low Density Polyethylene	7.25	Ø mm ± 0.18
	SHIELD	Aluminium + Polyester + Aluminium Tape Coverage 100 %	0.29	mm
	BRAID	Silvered Copper Coverage 94%	144 x 0.16	mm
	BRAID	Silvered Copper Coverage 98%	168 x 0.16	mm
	SHEATH	Flame Retardant Non-Corrosive Thermoplastic Free of Halogens, Colour Black	10.80	Ø mm ± 0.20

ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 2
Capacitance	100 pF/m
Velocity ratio	66 %
Resistance	
- inner conductor	6.0 Ohm/km
- braid	4.0 Ohm/km
Tension	
- sheat spark testing	5.5 kV

MECHANICAL DATA

Cable weight	211.5 kg/km
- copper	119.7
- plastic	87.3
Minimum bending radius	
- single	Ext x 5
- repeated	Ext x 10
Temperature range	-30 ... +70 °C

Attenuations dB/100m · Max. power rating W

MHz	5	10	30	50	150	220	450	600	800	1000	1500	1800	2000	2500	3000
dB	1.1	1.5	2.9	3.8	6.9	8.4	12.4	14.5	17.0	19.6	24.7	27.6	29.6	33.9	37.8

Structural return loss dB

MHz	30 - 450	450-1000	1000-2000	2000-3000	>3000
dB	> 27	> 25	> 22	> 20	--

Screening effectiveness dB

MHz	100 - 900	900 - 2000	2000 - 3000
dB	> 95	> 85	> 75

If not otherwise declared, all values are nominal. Changes in design and construction due to technical progress without notice