koax24 cable configuration

Order number 050262

RG 59 FLEX

75 Ohm RF Coaxial Cable

STRUCTURE

INNER CONDUCTOR	Plain Copper	7 x 0.20	mm
DIELECTRIC	Low Density Polyethylene	3.70	Ø mm ± 0.10
BRAID	Plain Copper Coverage 92%	168 x 0.10	mm
SHEATH	Polyvinyl-Chloride Colour Black	6.20	Ø mm ± 0.10

ELECTRICAL DATA at 20 °C

Impedance	**75**	**Ohm ± 3**
Capacitance	**67**	**pF/m**
Velocity ratio	**66**	**%**
Resistance		
- inner conductor	82	Ohm/km
- braid	13	Ohm/km
Tension		
- sheat spark testing	5.0	kV

MECHANICAL DATA

Cable weight	**49.9**	**kg/km**
- copper	14.5	
- plastic	35.4	
Minimum bending radius		
- single	Ext x 5	
- repeated	Ext x 10	
Temperature range	**-30 ... +70**	**°C**

Attenuations dB/100m

MHz	5	10	50	100	200	400	500	600	800	1000	1350	1500	1750	2150	2250	2500	2750	3000
dB	**2.5**	**3.4**	**7.9**	**11.5**	**16.8**	**24.1**	**27.3**	**30.4**	**35.4**	**40.1**	**47.9**	**51.1**	**56.3**	**64.3**	**65.8**	**71.1**	**74.1**	**77.5**

Structural return loss dB

MHz	30 - 300	300 - 600	600 - 1000	1000 - 2000	2000 - 3000
dB	**> 30**	**> 25**	**> 22**	**> 20**	**> 16**

Screening effectiveness dB

MHz	100 - 900	900 - 2000	2000 -3000
dB	**> 57**	**-**	**-**

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

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