koax24 cable configuration

Order number 050168

RG 58 PUR

50 Ohm RF Coaxial Cable

STRUCTURE

INNER CONDUCTOR	Tinned Copper	19 x 0.18	mm
DIELECTRIC	Low Density Polyethylene	2.95	Ø mm ± 0.10
BRAID	Tinned Copper Coverage 94%	144 x 0.10	mm
SHEATH	Polyutherane Colour Black	5.00	Ø mm ± 0.10

ELECTRICAL DATA at 20 °C

Impedance	**50**	**Ohm ± 3**
Capacitance	**100**	**pF/m**
Velocity ratio	**66**	**%**
Resistance		
- inner conductor	36.5	Ohm/km
- braid	15.0	Ohm/km
Tension		
- sheat spark testing	4.0	kV

MECHANICAL DATA

Cable weight	**35.6**	**kg/km**
- copper	15.1	
- plastic	20.5	
Minimum bending radius		
- single	Ext x 5	
- repeated	Ext x 10	
Temperature range	**-50 ... +90**	**°C**

Attenuations dB/100m · Max. power rating W

MHz	5	10	50	100	200	400	500	600	800	1000	1350	1500	1750
dB	**3.7**	**4.7**	**11.0**	**15.3**	**21.0**	**33.1**	**37.9**	**46.0**	**49.9**	**58.3**	**62.5**	**66.9**	**74.8**
W	**849**	**600**	**268**	**190**	**134**	**95**	**85**	**77**	**67**	**60**	**52**	**49**	**45**

Structural return loss dB

MHz	30 - 300	300 - 600	600 - 1000	1000 - 2000	2000 - 3000
dB	**> 28**	**> 27**	**> 25**	**> 20**	**> 18**

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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