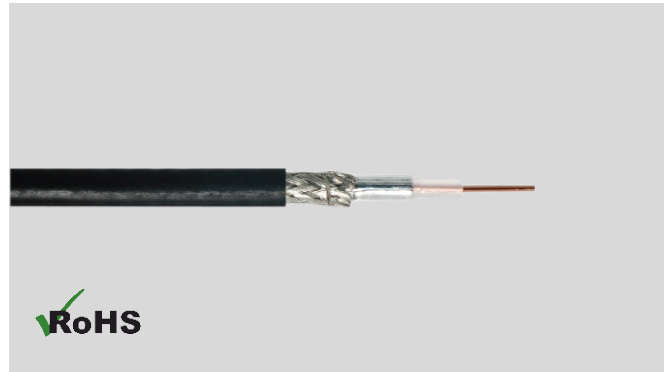


RF240 COAXIAL CABLE 50 Ohm LOW LOSS/WIRELESS/RF TRANSMISSION



NORDEN RF240 coaxial cable is suitable for external installation in RF Systems. 50 Ohm Impedance provides best transmission performance in wireless environment. Low loss makes this cable ideal for use in high frequency applications.



CABLE CONSTRUCTION

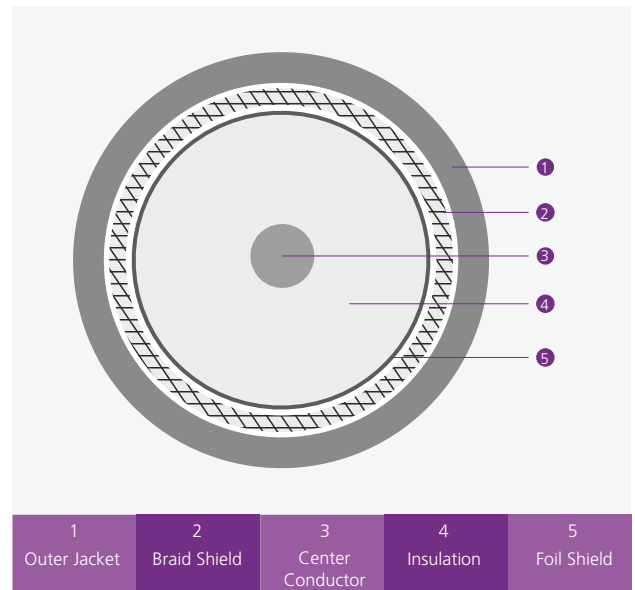
Conductor Bare Copper Solid	Insulation Color Neutral	Braid Wire TC Wire	Jacket Color Black
Insulation Foam PE (Polyethylene)	Shielding Aluminium/Polyester Foil Bonded	Outer Jacket PE - standard PVC & LSZH upon request	

PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	1.42 mm
Insulation Diameter	3.81 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	6x24
Braid Wire Coverage	92%
Outer Jacket Diameter	6.10 mm
Min. Bending Radius (Installation)	19.1 mm
Max. Pulling Tension	366 N
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Characteristic Impedance	Ω	50.0
Capacitance	pF/m	78.0
Center Conductor DCR	Ω /km	11.0
Braid Wire DCR	Ω /km	12.0
Velocity of Propagation	%	83
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	5000
Return Loss (5-1000 MHz)	dB	20.0



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PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
30	4.40
50	5.70
150	9.90
220	12.00
450	17.30
900	24.80
1500	32.40
1800	35.60
2000	37.70
2500	42.40
5800	66.80

RoHS GUIDELINE

Properties	Value
Calcium Content [Cd]	< 0.01%
Lead Content [Pb]	< 0.1%
Mercury Content [Hg]	< 0.1%
Chromium [VI] Content	< 0.1%
Polybrominated Biphenyls (PBB)	Forbidden
Polybrominated Diphenyl Ether (PBDE)	Forbidden

ORDERING INFORMATION

Part Number	Description
450-3RF240	RF240 Coaxial Cable 50 Ohm PE
450-2RF240	RF240 Coaxial Cable 50 Ohm LSZH
450-1RF240	RF240 Coaxial Cable 50 Ohm PVC