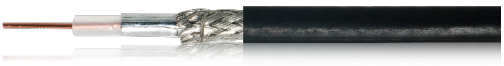
RF240 Coaxial Cable 50 Ohm
Low Loss/Wireless/RF Transmission

NORVIEW

NORDEN RF240 coaxial cable is suitable for oudoor 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

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

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	6 x 24
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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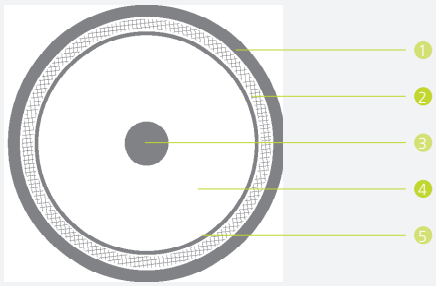

1	2	3	4	5
Outer Jacket	Braid Shield	Center Conductor	Insulation	Foil Shield

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

PROPERITES	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