

RF600 COAXIAL CABLE 50 Ohm LOW LOSS/WIRELESS/RF TRANSMISSION



NORDEN RF600 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

Copper Clad Aluminium

Insulation Color

Neutral

Braid Wire

TC Wire

Jacket Color

Black

Insulation

Foam PE (Polyethylene)

Shielding

Aluminium/Polyester
Foil Bonded

Outer Jacket

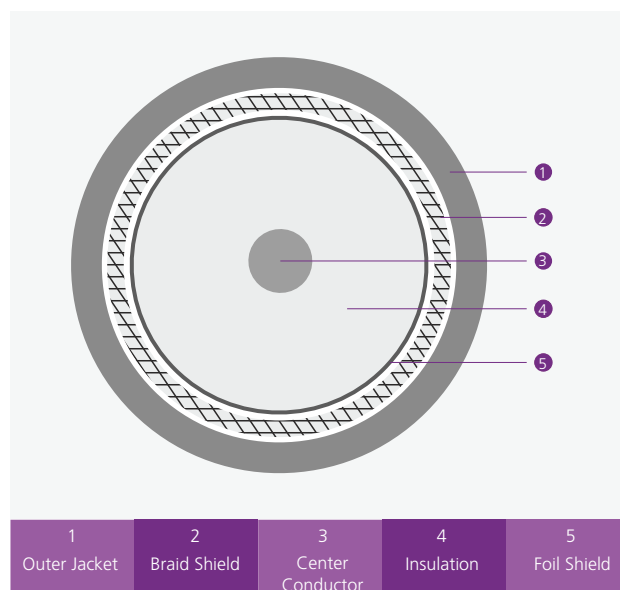
PE - standard
PVC & LSZH upon request

PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	4.47 mm
Insulation Diameter	11.56 mm
Braid Wire Diameter	0.18 mm
No. of Braid Wire	240
Braid Wire Coverage	91%
Outer Jacket Diameter	15.00 mm
Min. Bending Radius (Installation)	38.10 mm
Max. Pulling Tension	1589 N
Operating Temperature	-40°C to +85°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Characteristic Impedance	Ω	50.0
Capacitance	pF/m	75.0
Center Conductor DCR	Ω /km	2.0
Braid Wire DCR	Ω /km	3.9
Velocity of Propagation	%	87
Dielectric Strength	VCA	2500
Jacket Sparker	VCA	4000
Return Loss (5-1000 MHz)	dB	21.0



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PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
30	1.40
50	1.80
150	3.20
220	3.90
450	5.60
900	8.20
1500	10.90
1800	12.10
2000	12.80
2500	14.50
5800	23.80

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
450-3RF600	RF600 Coaxial Cable 50 Ohm PE
450-2RF600	RF600 Coaxial Cable 50 Ohm LSZH
450-1RF600	RF600 Coaxial Cable 50 Ohm PVC