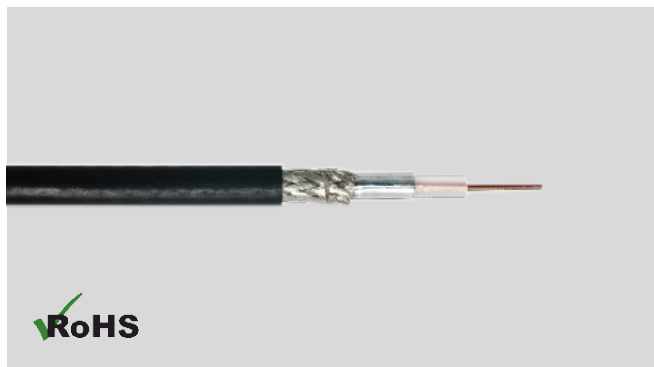


RF195 COAXIAL CABLE 50 Ohm LOW LOSS/WIRELESS/RF TRANSMISSION



NORDEN RF195 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

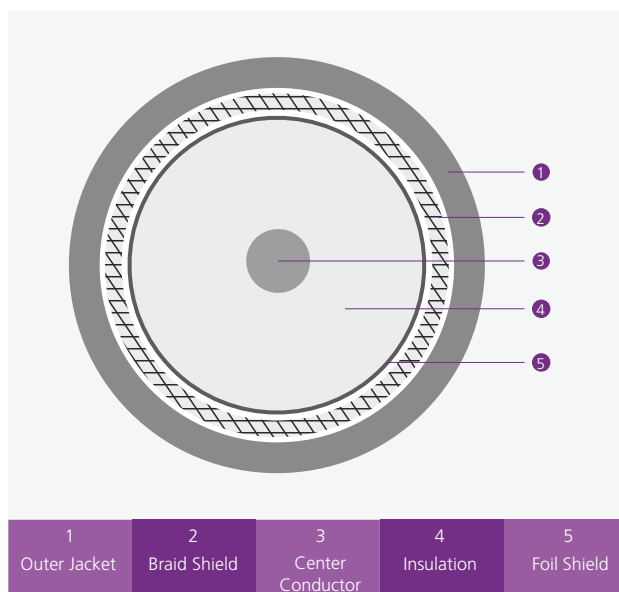
PE - standard
PVC & LSZH upon request

PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	0.94 mm
Insulation Diameter	2.80 mm
Braid Wire Diameter	0.11 mm
No. of Braid Wire	7x16
Braid Wire Coverage	91%
Outer Jacket Diameter	4.95 mm
Min. Bending Radius (Installation)	12.70 mm
Max. Pulling Tension	182 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	25.0
Braid Wire DCR	Ω /km	16.0
Velocity of Propagation	%	83
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	3000
Return Loss (5-1000 MHz)	dB	23.0



RF195 COAXIAL CABLE 50 Ohm

LOW LOSS/WIRELESS/RF TRANSMISSION



PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
30	6.50
50	8.40
150	14.60
220	17.71
450	25.50
900	36.50
1500	47.70
1800	52.50
2000	55.40
2500	62.40
5800	98.10

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
450-3RF195	RF195 Coaxial Cable 50 Ohm PE
450-2RF195	RF195 Coaxial Cable 50 Ohm LSZH
450-1RF195	RF195 Coaxial Cable 50 Ohm PVC