



75 Ohm coaxial cable RG11 LSZH MIL Type



Store at: -0 to +60 °C

Install at: 0 to +50 °C, **Bend minimum:** 10xO.D. (unarmored) or 20xO.D. (armored)

Operate at: -20 to +70 °C, **Bend minimum:** 15xO.D. (unarmored) or 20xO.D. (armored)

Design

Conductor : tinned copper Ø 1.63mm nominal

Dielectric : polyethylene nominal Ø 7.20mm

Screen 1 : aluminium tape

Screen 2 : copper wire braid

Outer jacket : black LSZH material

Marking : APS Finland - ww/yy - RG 11 type MIL LSZH - 75 OHM - P/N - lot + meter

Armoured version is supplied with additional:

Armour : galvanized steel or tinned copper wire braid

Outer jacket : black LSZH material

Marking : APS Finland - ww/yy - ARMOURED RG 11 type MIL LSZH - 75 OHM - P/N - lot + meter

Environmental properties and Fire Performances

Degree of acidity of gases : IEC 60754-1, IEC 60754-2

Halogen acid gas corrosiveness : TS EN 50267-2-3

Smoke Emission : IEC 61034-2

Flame retardant : IEC 60332-1-1, IEC60332-2-1

Electrical characteristics

Impedance : $75 \pm 3 \Omega$

Capacitance : 53pF/m nominal

Velocity ratio : 82%

Insulation resistance : 10000 M Ω x Km

Spark tension of the sheath : 2.0 kV

Attenuation (typical)

MHz	100	200	400	600	800	1000
dB	4.7	6.5	9.5	12.3	14.0	16.2

Ordering and delivery information

Type	P/N	O.D [mm]	Weight [kg/km]	Packaging
RG11 Non-armoured	RG11MT	10.0	145	500m or 1000m (+/-5%)
RG11 armoured GSWB	RG11MTBH	14.2	232	500m (+/-5%)
RG11 armoured TCWB	RG11MTTH	14.2	218	500m (+/-5%)

Every effort has been put so that this document is most reliable and free from errors. However, AP Solutions Oy cannot be considered responsible for any mistake in this

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75 Ohm coaxial cable RG59 LSZH MIL Type



Store at: -0 to +60 °C

Install at: 0 to +50 °C, **Bend minimum:** 10xO.D. (unarmored) or 20xO.D. (armored)

Operate at: -10 to +70 °C, **Bend minimum:** 5xO.D. (unarmored) or 15xO.D. (armored)

Design

Conductor : copperweld Ø 0.58 ± 0.025 mm

Dielectric : low density polyethylene nominal Ø 3.70mm

Screen 1 : aluminium/poleysther/aluminium tape

Screen 2 : bare copper braid

Outer jacket : black LSZH material

Marking : APS Finland - ww/yy - RG 59 type MIL LSZH - 75 OHM - lot + meter

Armoured version is supplied with additional:

Armour : galvanized steel or tinned copper wire braid

Outer jacket : black LSZH material

Marking : APS Finland - ww/yy - ARMOURED RG 59 type MIL LSZH - 75 OHM - lot + meter

Environmental properties and Fire Performances

Degree of acidity of gases : IEC 60754-1, IEC 60754-2

Halogen acid gas : IEC 60754-1, IEC 60754-2

Smoke Emission : IEC 61034-2

Flame retardant : IEC 60332-1-1, IEC60332-2-1

Electrical characteristics

Impedance : 75Ω nominal

Capacitance : 67pF/m nominal

Inner conductor resistance @ 500V : 154Ω/km nominal

Spark tension of the sheath : 2.0 kV

Attenuation (typical)

MHz	5	10	50	100	200	300	500	600	800	1000	1350	1500	1750	2150	2250	2500	2750	3000
dB	4.0	5.4	9.3	14.7	19.0	23.6	29.8	32.0	37.5	42.6	51.7	54.8	59.2	65.6	69.7	73.0	77.7	61.1

Ordering and delivery information

Type	P/N	O.D [mm]	Weight [kg/km]	Packaging
RG59 Non-armoured	RG59MT	6.2	57.2	500m or 1000m (+/-5%)
RG59 armoured GSWB	RG59MTBH	9.4	144.2	500m (+/-5%)
RG59 armoured TCWB	RG59MTTH	9.4	130.0	500m (+/-5%)

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75 Ohm Coaxial cable RG6 CCS double screen PVC



Installation Features

Store at -10 to +50 °C

Install at -10 to +50 °C, **Bend minimum** : 20 times O.D.

Operate at : -0 to +60 °C, **Bend minimum** : 20 times O.D.

Pull maximum : 100N

Design

Conductor : solid CCS 1.02mm

Dielectric : foam PE nominal Ø 4.60mm

Screen 1 : bonded AL/P nominal Ø 4.75mm

Screen 2 : Aluminium wire braid nominal coverage 60%

Jacket : black PVC material nominal Ø 6.86mm

Marking : APS Finland - ww/yy - 75 Ohm CATV RG6 CCS - P/N CCS6AB6VKB3 - lot - meter

Environmental properties and Fire Performances

Flame retardant : IEC60332-1-2

Electrical Characteristics

Characteristic impedance (Ohm)	75+/-3
Capacitance (pF/m)	52+/-2
Velocity of Propagation (%)	85.0
Return Loss (dB) 5-1000MHz	≥22

Frequency	Attenuation db/100ft	Attenuation dB/100 meter
55	1.6	5.2
187	2.8	9.3

211	3.1	10
400	4.1	13.5
500	4.6	15.0
750	5.6	18.5
860	6.1	20.0
1000	6.6	21.5

Recommended connectivity

BNC connectors : APS BNC75

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75 Ohm coaxial cable RG6 LSZH MIL Type



Store at: -0 to +60 °C

Install at: 0 to +50 °C, **Bend minimum:** 10xO.D. (unarmored) or 20xO.D. (armored)

Operate at: -20 to +70 °C, **Bend minimum:** 5xO.D. (unarmored) or 15xO.D. (armored)

Design

Conductor : bare copper Ø 1.02mm nominal

Dielectric : low density polyethylene nominal Ø 4.60mm

Screen 1 : aluminium tape

Screen 2 : aluminium wire braid

Outer jacket : black LSZH material

Marking : APS Finland - ww/yy - RG 6 type MIL LSZH - 75 OHM - lot + meter

Armoured version is supplied with additional:

Armour : galvanized steel or tinned copper wire braid

Outer jacket : black LSZH material

Marking : APS Finland - ww/yy - ARMOURED RG 6 type MIL LSZH - 75 OHM - lot + meter

Environmental properties and Fire Performances

Degree of acidity of gases : IEC 60754-1, IEC 60754-2

Halogen acid gas corrosiveness : TS EN 50267-2-3

Smoke Emission : IEC 61034-2

Flame retardant : IEC 60332-1-1, IEC60332-2-1

Electrical characteristics

Impedance : $75 \pm 3 \Omega$

Capacitance : 53pF/m nominal

Insulation resistance : 10000 M Ω x Km

Spark tension of the sheath : 2.0 kV

Attenuation (typical)

MHz	100	200	300	400	600	800	1000
dB	7.0	10.2	12.0	14.8	18.5	20.8	24.8

Ordering and delivery information

Type	P/N	O.D [mm]	Weight [kg/km]	Packaging
RG6 Non-armoured	RG6MT	7.0	110	500m or 1000m (+/-5%)
RG6 armoured GSWB	RG6MTBH	11.2	197	500m (+/-5%)
RG6 armoured TCWB	RG6MTTH	11.2	183	500m (+/-5%)

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