



Product specification

Connector A	7/16 male straight
Connector B	7/16 male straight
Cable	RF1/2" Superflexible Black FR-LSZH
Cable diameter (mm)	13,6

Mechanical properties

Minimum radius of curvature , simple(mm)	25
Minimum radius of curvature , multiple (mm)	30
Number of bends (minimum / Typical)	15 / 30
Flat plate crush strength (Kg / mm)	2
Tensile strength (Kg)	76

Electrical properties

Impedance (Ω)	50 ± 1
Intermodulation (3rd order @ 2 x 20 W) (dBc)	≤ - 165
Screening attenuation (dB)	> 120
Velocity of propagation (%)	81
DC insulation dielectric strength (kV)	3

VSWR,Return loss (dB)

(690-960 MHz)	1,06 / 30
(1.700-2.200 MHz)	1,06 / 30
(2.200-2.700 MHz)	1,08 / 28
(3.400-3.800 MHz)	1,10 / 26

Attenuation (dB)

Max Att.@ F (MHz) (dB) = Att.@F(MHz) x 1,05/100 x L (m) + 0,01 x vF (GHz) + Att.connectors

Frequency (MHz)	Attenuation (dB/100m)	Power (20°C,KW)
450	7,59	1,38
700	9,68	1,09
1000	11,80	0,89
1800	16,60	0,63
2200	18,60	0,56
2500	20,07	0,53
2700	21,02	0,51
3400	24,20	0,44
3600	25,05	0,42
3800	25,88	0,41

Ref

210271	210272	210273	210274	210275	210276	210277	210278	210279	210280
(1 m)	(2 m)	(3 m)	(4 m)	(5 m)	(6 m)	(7 m)	(8 m)	(9 m)	(10 m)

Standards

IP Grade protection	IP 68
Installation temperature (°C)	- 25 + 60
Operating temperature (°C)	- 30 + 80
Storage temperature (°C)	- 30 + 80
IEC 60332-1 (Tets flame on single cable)	Compliant
IEC 60332-3.C (Fire test on bundled cables)	Compliant
IEC 61034 (Smoke emission test)	Compliant
IEC 60754-1 (Amount of halogen acid gas)	Compliant
IEC 60754-2 (Degree of acidity of gases)	Compliant
EN50575 (CPR Cable EuroClass)	B2ca-s1a-d0-a1
IEC 61196.1-2005 (Design and test methods)	Compliant
2011/65/EU (RoHs)	Compliant

* MCC reserves the right to make the changes considered necessary in this document.