

CL 1,7 / 7,0

75 Ohm Coaxial Cable

Trunk & Distribution

Partnr: B 532003



CommScope Europe
Rue Rouge Croix 6
B 7180 Senefte
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ISO 9001
REGISTERED

PRODUCT DESCRIPTION:

A high density micro cellular gas injected foam dielectric is extruded and bonded to a solid copper center conductor. An outer solid copper tape is welded on the dielectric and covered by a black PE-jacket.

CENTER CONDUCTOR:

SOLID COPPER
NOMINAL DIAMETER: 1.70 mm

DIELECTRIC:

GAS EXPANDED POLYETHYLENE
NOMINAL DIAMETER OVER DIELECTRIC: 7,00 mm

SHIELD:

WELDED COPPER TAPE
NOMINAL DIAMETER OVER TAPE: 7.50
NOMINAL THICKNESS: 0.25 mm

JACKET:

BLACK POLYETHYLENE
NOMINAL DIAMETER OVER JACKET: 10.40 mm

RETURN LOSS:

5 – 30 MHz: 23 dB
30 – 470 MHz: 23 dB
470 – 862 MHz: 20 dB

ELECTRICAL PROPERTIES:

IMPEDANCE: 75.0 +/- 2.0 Ohms
VELOCITY OF PROPAGATION: 88% NOMINAL
NOM CAPACITANCE: 50 pF / m
SCREEN EFFICIENCY FROM 5 MHz: > 100 dB min.
MAX CURRENT LOAD at 50 Hz: 12 Amp
DIELECTRIC STRENGTH: 2 kV / outer sheath 5 kV

MAX D.C RESISTANCE:

INNER CONDUCTOR: 8,02 ohm / km
OUTER CONDUCTO: 3,17 ohm / km
LOOP: 11,19 ohm / km

MECHANICAL CHARACTERISTICS:

MIN BEND RADIUS 1 SINGLE BEND: 90mm
MIN BEND RADIUS 10 Bends: 200mm
MAX PULLING TENSION: 40 daN
MAX COMPRESSION LOAD: 700 N / 10 cm

PPC Connectors

	<u>Partnr.</u>
F-CONNECTOR - FM 17/73	80432
PG 11 CONNECTOR - PG11M 17/73	81432
3,5/12 CONNECTOR – 3,5/12M 17/73	83032

CL SERIES COMPLIES WITH EN 50.117.

CL is distributed by :

DKT

www.dkt.dk



Cable weight Kg/Km: 120

ATTENUATION: @ 20°C

Frequency MHz	dB/100 m (NOM)	dB/100 m (MAX)
5 MHz	0.78 dB	0.82 dB
10 MHz	1.10 dB	1.16 dB
30 MHz	1.92 dB	2.01 dB
47 MHz	2.41 dB	2.53 dB
50 MHz	2.48 dB	2.61 dB
100 MHz	3.54 dB	3.71 dB
120 MHz	3.88 dB	4.08 dB
150 MHz	4.35 dB	4.57 dB
200 MHz	5.05 dB	5.30 dB
250 MHz	5.67 dB	5.95 dB
300 MHz	6.23 dB	6.54 dB
340 MHz	6.65 dB	6.98 dB
400 MHz	7.24 dB	7.60 dB
470 MHz	7.88 dB	8.27 dB
500 MHz	8.14 dB	8.54 dB
550 MHz	8.55 dB	8.98 dB
600 MHz	8.96 dB	9.40 dB
650 MHz	9.34 dB	9.81 dB
700 MHz	9.72 dB	10.20 dB
750 MHz	10.08 dB	10.58 dB
800 MHz	10.43 dB	10.95 dB
850 MHz	10.77 dB	11.31 dB
862 MHz	10.85 dB	11.39 dB
900 MHz	11.10 dB	11.66 dB
950 MHz	11.43 dB	12.00 dB
1000 MHz	11.75 dB	12.33 dB

Drawing not to scale.
Specifications subject to change.
Revision: JH 2002-02-21