

CL 2,1 / 8,8 75 Ohm Coaxial Cable Trunk & Distribution Partnr: B 532002



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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: 2,10 mm

DIELECTRIC:

GAS EXPANDED POLYETHYLENE
NOMINAL DIAMETER OVER DIELECTRIC: 8,80 mm

SHIELD:

WELDED COPPER TAPE
NOMINAL DIAMETER OVER TAPE: 9,30
NOMINAL THICKNESS: 0.25 mm

JACKET:

BLACK POLYETHYLENE
NOMINAL DIAMETER OVER JACKET: 12.40 mm

RETURN LOSS:

5 – 30 MHz: 26 dB
30 – 470 MHz: 26 dB
470 – 862 MHz: 23 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: 13 Amp
DIELECTRIC STRENGTH: 2 kV / outer sheath 5 kV

MAX D.C RESISTANCE:

INNER CONDUCTOR: 5,22 ohm / km
OUTER CONDUCTO: 2,54 ohm / km
LOOP: 7,76 ohm / km

MECHANICAL CHARACTERISTICS:

MIN BEND RADIUS 1 SINGLE BEND: 150mm
MIN BEND RADIUS 10 Bends: 200mm
MAX PULLING TENSION: 50 daN
MAX COMPRESSION LOAD: 700 N / 10 cm

PPC Connectors

	<u>Partnr.</u>
F-CONNECTOR - FM 22/88	80403
PG 11 CONNECTOR - PG11M 22/88	81403
3,5/12 CONNECTOR – 3,5/12M 22/88	83003

CL SERIES COMPLIES WITH EN 50.117.

CL is distributed by :

DKT

www.dkt.dk



Cable weight Kg/Km: 160

ATTENUATION: @ 20°C

@ Frequency MHz	dB/100 m (NOM)	dB/100 m (MAX)
5 MHz	0.63 dB	0.66 dB
10 MHz	0.89 dB	0.93 dB
30 MHz	1.55 dB	1.63 dB
47 MHz	1.95 dB	2.05 dB
50 MHz	2.01 dB	2.11 dB
100 MHz	2.87 dB	3.01 dB
120 MHz	3.15 dB	3.31 dB
150 MHz	3.54 dB	3.71 dB
200 MHz	4.11 dB	4.31 dB
250 MHz	4.61 dB	4.84 dB
300 MHz	5.08 dB	5.33 dB
340 MHz	5.42 dB	5.69 dB
400 MHz	5.90 dB	6.20 dB
470 MHz	6.43 dB	6.75 dB
500 MHz	6.63 dB	6.98 dB
550 MHz	6.99 dB	7.34 dB
600 MHz	7.32 dB	7.69 dB
650 MHz	7.64 dB	8.02 dB
700 MHz	7.95 dB	8.35 dB
750 MHz	8.25 dB	8.66 dB
800 MHz	8.54 dB	8.97 dB
850 MHz	8.83 dB	9.27 dB
862 MHz	8.89 dB	9.34 dB
900 MHz	9.10 dB	9.56 dB
950 MHz	9.37 dB	9.84 dB
1000 MHz	9.64 dB	10.12 dB

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