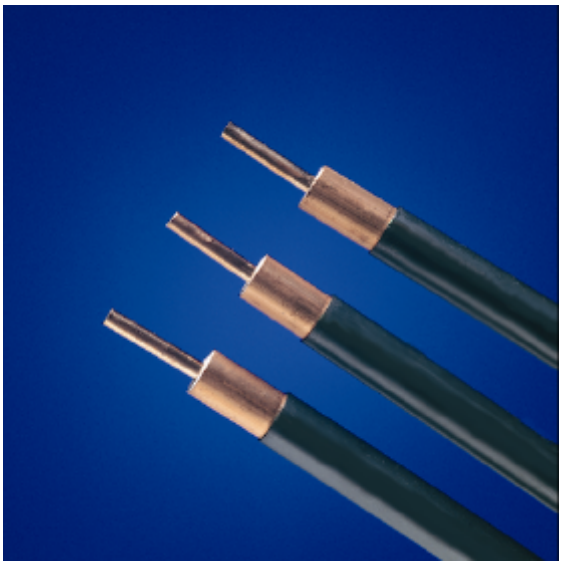
CL 3,3 / 13,5
75 Ohm Coaxial Cable
Trunk & Distribution
Partnr: B 532004

CommScope Europe
Rue Rouge Croix 6
B 7180 Seneffe
Tel: 32 64 52 19 11
www.commscope.com

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.



Cable weight Kg/Km: 294

CENTER CONDUCTOR:
SOLID COPPER
NOMINAL DIAMETER: 3,30 mm

DIELECTRIC:
GAS EXPANDED POLYETHYLENE
NOMINAL DIAMETER OVER DIELECTRIC: 13,55 mm

SHIELD:
WELDED COPPER TAPE
NOMINAL DIAMETER OVER TAPE: 14,05
NOMINAL THICKNESS: 0.25 mm

JACKET:
BLACK POLYETHYLENE
NOMINAL DIAMETER OVER JACKET: 17,70 mm

RETURN LOSS:

5 – 30 MHz:	**28 dB**
30 – 470 MHz:	**28 dB**
470 – 862 MHz:	**25 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:	**20 Amp**
DIELECTRIC STRENGTH:	**2 kV / outer sheath 5 kV**

MAX D.C RESISTANCE:

INNER CONDUCTOR:	**2,09 ohm / km**
OUTER CONDUCTO:	**1,67 ohm / km**
LOOP:	**3,76 ohm / km**

MECHANICAL CHARACTERISTICS:

MIN BEND RADIUS 1 SINGLE BEND:	**200 mm**
MIN BEND RADIUS 10 Bends:	**400 mm**
MAX PULLING TENSION:	**100 daN**
MAX COMPRESSION LOAD:	**700 N / 10 cm**

PPC Connectors	***Partnr.***
F-CONNECTOR - FM 33/135	**80425**
PG 11 CONNECTOR - PG11M 33/135	**81425**
3,5/12 CONNECTOR – 3,5/12M 33/135	**83025**

CL SERIES COMPLIES WITH EN 50.117.

CL is distributed by :

DKT
www.dkt.dk

ATTENUATION: @ 20°C

@ Frequency MHz	dB/100 m (NOM)	dB/100 m (MAX)
5 MHz	0.39 dB	0.41 dB
10 MHz	0.56 dB	0.58 dB
30 MHz	0.97 dB	1.02 dB
47 MHz	1.22 dB	1.29 dB
50 MHz	1.26 dB	1.33 dB
100 MHz	1.81 dB	1.90 dB
120 MHz	1.99 dB	2.09 dB
150 MHz	2.23 dB	2.35 dB
200 MHz	2.60 dB	2.73 dB
250 MHz	2.92 dB	3.07 dB
300 MHz	3.22 dB	3.38 dB
340 MHz	3.44 dB	3.62 dB
400 MHz	3.76 dB	3.94 dB
470 MHz	4.10 dB	4.30 dB
500 MHz	4.24 dB	4.45 dB
550 MHz	4.46 dB	4.68 dB
600 MHz	4.68 dB	4.91 dB
650 MHz	4.89 dB	5.13 dB
700 MHz	5.09 dB	5.34 dB
750 MHz	5.28 dB	5.55 dB
800 MHz	5.48 dB	5.75 dB
850 MHz	5.66 dB	5.94 dB
862 MHz	5.71 dB	5.99 dB
900 MHz	5.84 dB	6.14 dB
950 MHz	6.02 dB	6.32 dB
1000 MHz	6.20 dB	6.51 dB

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