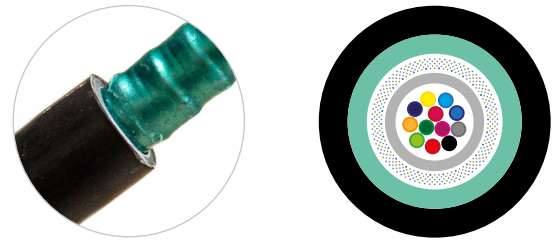


Armoured central loose tube cable, Euroclass D_{ca}

P/N: CLTDxxyyy-PANC-Dca



Features

- complies with the Construction Products Regulation (CPR) EU No. 305/2011 and reaction to fire requirements according to the harmonized standards EN 50575: 2014+A1: 2016
- halogen-free and fire retardant sheath
- corrugated steel tape armor
- central loose tube filled with water blocking gel
- tensile elements made of glass yarns
- includes rip cord
- primary protection of 250 µm
- suitable for direct burial campus backbone applications, cable channels and cable bridges without the need of additional protection
- resistant to mechanical damage, moisture, water, UV radiation, corrosive liquids, also resistant to welding spark
- 100% protection against rodents

4-fibers

OM1 P/N: CLTD04OM1-PANC-Dca

OM1 multimode 62,5/125 µm

OM2 P/N: CLTD04OM2-PANC-Dca

OM2 multimode 50/125 µm

OM3 P/N: CLTD04OM3-PANC-Dca

OM3 multimode 50/125 µm

OM4 P/N: CLTD04OM4-PANC-Dca

OM4 multimode 50/125 µm

OS2 P/N: CLTD04OS2-PANC-Dca

OS2 singlemode 9/125 µm (ITU-T G.652.D)

8-fibers

OM1 P/N: CLTD08OM1-PANC-Dca

OM1 multimode 62,5/125 µm

OM2 P/N: CLTD08OM2-PANC-Dca

OM2 multimode 50/125 µm

OM3 P/N: CLTD08OM3-PANC-Dca

OM3 multimode 50/125 µm

OM4 P/N: CLTD08OM4-PANC-Dca

OM4 multimode 50/125 µm

OS2 P/N: CLTD08OS2-PANC-Dca

OS2 singlemode 9/125 µm (ITU-T G.652.D)

12-fibers

OM1 P/N: CLTD12OM1-PANC-Dca

OM1 multimode 62,5/125 µm

OM2 P/N: CLTD12OM2-PANC-Dca

OM2 multimode 50/125 µm

OM3 P/N: CLTD12OM3-PANC-Dca

OM3 multimode 50/125 µm

OM4 P/N: CLTD12OM4-PANC-Dca

OM4 multimode 50/125 µm

OS2 P/N: CLTD12OS2-PANC-Dca

OS2 singlemode 9/125 µm (ITU-T G.652.D)

24-fibers

OM1 P/N: CLTD24OM1-PANC-Dca

OM1 multimode 62,5/125 µm

OM2 P/N: CLTD24OM2-PANC-Dca

OM2 multimode 50/125 µm

OM3 P/N: CLTD24OM3-PANC-Dca

OM3 multimode 50/125 µm

OM4 P/N: CLTD24OM4-PANC-Dca

OM4 multimode 50/125 µm

OS2 P/N: CLTD24OS2-PANC-Dca

OS2 singlemode 9/125 µm (ITU-T G.652.D)

Reaction to fire and flame resistance

Reaction to fire

D_{ca} - s2, d2, a1

EN 50575, EN 13501-6

flame retardancy

EN 60332-3-22 (cat.A)

Fire safety

halogen acidity

EN 61034-1

zero halogen, non-corrosive

EN 60754-2

Mechanical properties

Number of fibers		4	8	12	24
Nominal cable diameter		7,7 mm	7,7 mm	7,7 mm	7,7 mm
Nominal sheath thickness		1,2 mm	1,2 mm	1,2 mm	1,2 mm
Loose tube diameter		3,0 mm	3,0 mm	3,0 mm	3,0 mm
Cable weight netto		84 kg/km	84 kg/km	84 kg/km	84 kg/km
Min. bending radius	installation	154 mm	154 mm	154 mm	154 mm
	operation	77 mm	77 mm	77 mm	77 mm
Tensile strength	installation	1 500 N	1 500 N	1 500 N	1 500 N
	operation	500 N	500 N	500 N	500 N
Crush resistance	installation	5 000 N			
	operation	2 500 N			
Temperature range	installation	-5°C to 50°C			
	operation	-30°C to 70°C			

Fiber properties MM

Cabled optical fiber (ISO/IEC 11801)	OM1	OM2	OM3	OM4
IEC 60793-2	A1-OM1	BB-OM2	BB-OM3	BB-OM4
Attenuation @ 850 / 1300 (dB/km)	$\leq 2,7 / \leq 0,6$	$\leq 2,4 / \leq 0,6$	$\leq 2,4 / \leq 0,6$	$\leq 2,4 / \leq 0,6$
Bandwidth 850 / 1300 (MHz.km)	$\geq 200 / \geq 500$	$\geq 500 / \geq 500$	$\geq 1500 / \geq 500$	$\geq 3500 / \geq 500$
EMBc @ 850 / 953 (MHz.km)	-	-	-	-
Numerical Aperture	$0,275 \pm 0,015$	$0,200 \pm 0,015$	$0,200 \pm 0,015$	$0,200 \pm 0,015$
Refractive index @ 850 / 1300 nm	1,496 / 1,491	1,482 / 1,477	1,482 / 1,477	1,482 / 1,477
Core diameter (μm)	$62,5 \pm 2,5$	$50 \pm 2,5$	$50 \pm 2,5$	$50 \pm 2,5$
Overall coating diameter (μm)	242 ± 7	242 ± 5	242 ± 5	242 ± 5

Fiber properties SM

Cabled optical fiber (ISO/IEC 11801)	OS2
IEC 60793-2	50-B1.3
ITU-T P1	G.652.D
Attenuation @ 1310 / 1383 / 1550 nm (dB/km)	$\leq 0,32 / \leq 0,32 / \leq 0,18$
Refractive index @ 1310 / 1550 nm	1,4691 / 1,4696
MFD 1310 / 1550 (μm)	$9,2 \pm 0,4 / 10,4 \pm 0,5$
Core / cladding concentricity error (μm)	$\leq 0,5$
Overall coating diameter (μm)	$125 \pm 0,7$