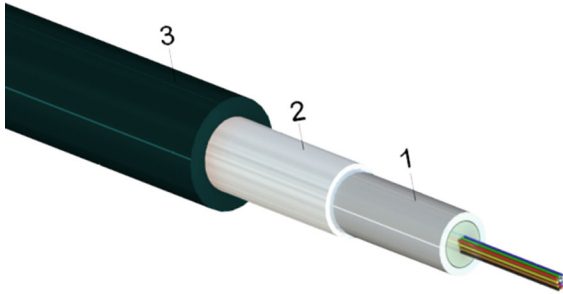


Central loose tube cable, outdoor-use, imp. rodent protection, LDPE sheath - black, 01x24-fibers G657.A1



1. Gel filled PBT loose tube with optical fibers
2. Water-blocking e-glass yarn
3. LDPE UV stable outer jacket

030.6309.A.1/ similar product

PRODUCT-NO	PRODUCT CODE
R848355	CLT-D01x3.5-QEONS-G2Y_A-SNNF-01x24-S7-bk
CABLE TYPE	CABLE VERSION
Central loose tube cable	n.a
CABLE APPLICATION	DIN/VDE CODE
outdoor-use	A-DQ(BN)2Y wbg
CPR CLASSIFICATION	DOP NO.:
n.a	n.a

GENERAL DESCRIPTION

Non-metallic central loose tube cable with improved rodent protection. With up to 24 fibers maximum, suitable for outdoor duct installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	G.657.A1
Fiber count	24
Loose-tube count	1
Loose tube nominal diameter	3.5
Outer jacket nominal thickness	1.2
Cable outer diameter	7.4
Cable informative weight	50.0 kg/km / 34 lbs/1000ft
Outer jacket material	UV stable LDPE
Jacket colour	black
Sheath marking	Ink-Jet, white
Fiber Color Code (IEC 60304)	1.-12.: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink 13.-24.: red, green, blue, yellow, white, grey, brown, violet, turquoise, natural, orange, pink(ring-marked)

Central loose tube cable, outdoor-use, imp. rodent protection, LDPE sheath - black, 01x24-fibers G657.A1

MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	EN 60794-1-21:E1	800 N	$\Delta\alpha \leq 0,05$ dB
Tensile performance - during installation	EN 60794-1-21:E1	2000 N	$\Delta\alpha \leq 0,05$ dB after test
Crush resistance - long term	EN 60794-1-21:E3A	1000 N/100mm	$\Delta\alpha \leq 0,05$ dB prior release, no damage
Crush resistance - short term	EN 60794-1-21:E3A	2000 N/100mm	$\Delta\alpha \leq 0,05$ dB after release, no damage
Impact resistance	EN 60794-1-21:E4	10 Nm, 3 impacts, d=20 mm, R=300 mm	$\Delta\alpha \leq 0,05$ dB after test, no damage
Torsion	EN 60794-1-21:E7	L = 1 m, rotation angle $\pm 180^\circ$, 10 cycles	no damage
Kink	IEC 60794-1-21:E10		
Cable bend - no tension	EN 60794-1-21:E11A	d=20 x cable diameter, 4 turns, 3 cycles	$\Delta\alpha \leq 0,05$ dB after test, no damage
Repeated bending	EN 60794-1-21:E6	R=20 x cable diameter, 25 cycles	no damage

CLIMATICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Temperature cycling	EN 60794-1-22:F1	-20 °C +70 °C / -4 °F +158 °F	$\Delta\alpha \leq 0,05$ dB
Temperature cycling - reversible	EN 60794-1-22:F1	-25 °C +70 °C / -13 °F +158 °F	$\Delta\alpha \leq 0,15$ dB, reversible
Temperature range - in service		-20 °C to +70 °C / -4 °F to +158 °F	
Temperature range - during installation		-5 °C +50 °C / +23 °F +122 °F	
Temperature range - in storage & transport		-25 °C to +70 °C / -13 °F to +158 °F	
Moisture resistance	EN 60794-1-22:F5B	L = 3 m, 1 m water height, 24 h	no water leakage

FIRE PROPERTIES

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE
Euro classification to CPR		n.a