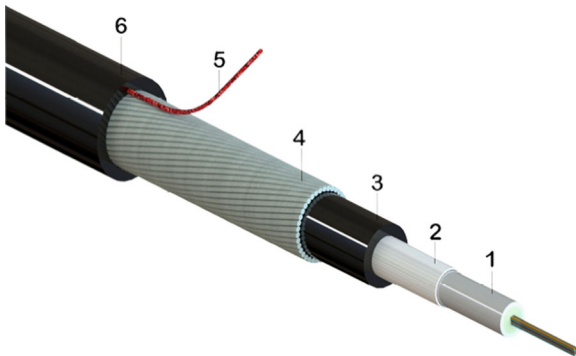


## Central loose tube cable, outdoor-use, SWA-steel wire armour, HDPE sheath - black, 01x12-fibers G657.A1



1. Gel filled PBT loose tube with optical fibers
2. Water-blocking e-glass yarn
3. LDPE UV stable inner jacket
4. Zn galvanized steel wire armour fixed by PET tape
5. Rip-cord
6. HDPE UV stable outer jacket

030.6310.A.1/ similar product

PRODUCT-NO	PRODUCT CODE
R855670	CLT-D01x3.1-QEO2Y-W3Y_A-SNNR-01x12-S7-bk
CABLE TYPE	CABLE VERSION
Central loose tube cable	n.a
CABLE APPLICATION	DIN/VDE CODE
outdoor-use	A-DQ(ZN)2YB2Y wbg (R 0,63vzk)
CPR CLASSIFICATION	DOP NO.:
n.a	n.a

### GENERAL DESCRIPTION

Steel wire armoured central loose tube cable with good mechanical and thus full rodent protection.

The cable features a two jacket construction (inner on LDPE and outer on HDPE) with up to 24 fibers maximum and is suitable for outdoor duct or direct buried installation.

### TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	G.657.A1
Fiber count	12
Loose-tube count	1
Loose tube nominal diameter	3.1
Inner jacket nominal thickness	1.1
Steel wire nominal diameter	0.63
Outer jacket nominal thickness	1.3
Cable outer diameter	9.9
Cable informative weight	150.0 kg/km / 101 lbs/1000ft
Standard put-up length on drum	2100 m ± 5%
Outer jacket material	UV stable HDPE
Jacket colour	black

## Central loose tube cable, outdoor-use, SWA-steel wire armour, HDPE sheath - black, 01x12-fibers G657.A1

DESCRIPTION	VALUE / VALUE RANGE
Sheath marking	Ink-Jet, white

### MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	IEC 60794-1-21:E1		
Tensile performance - during installation	IEC 60794-1-21:E1	4500 N	$\Delta\alpha \leq 0,05$ dB after test
Crush resistance - long term	IEC 60794-1-21:E3A	2000 N/100mm	$\Delta\alpha \leq 0,05$ dB prior release, no damage
Crush resistance - short term	IEC 60794-1-21:E3A	4000 N/100mm	$\Delta\alpha \leq 0,05$ dB after release, no damage
Impact resistance	IEC 60794-1-21:E4	20 Nm, 3 impacts, d=20 mm, R=300 mm	$\Delta\alpha \leq 0,05$ dB after test, no damage
Torsion	IEC 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	IEC 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	IEC 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	IEC 60794-1-22:F1	-20 °C +70 °C / -4 °F +158 °F	$\Delta\alpha \leq 0,05$ dB
Temperature cycling - reversible	IEC 60794-1-22:F1	-25 °C +70 °C / -13 °F +158 °F	$\Delta\alpha \leq 0,05$ dB
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	IEC 60794-1-22 F5B	L = 3 m, 1 m water height, 24 h	no water leakage under inner sheath

### FIRE PROPERTIES

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