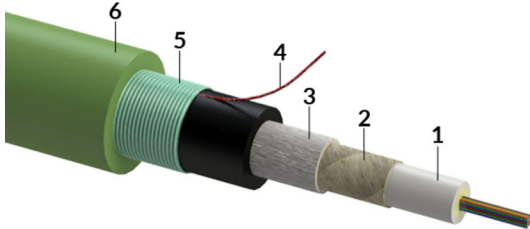


## Central loose tube cable, universal-use, CSTA - steel tape armour, FRLSZH sheath - green, Fca, 01x08-fibers G657.A1



1. Gel filled PBT loose tube with optical fibers
2. Water-blocking e-glass yarn
3. LDPE UV stable inner jacket
4. Rip-cord
5. Corrugated steel tape armour
6. FRLSZH UV stable outer jacket

030.6312.B.1/ similar product

PRODUCT-NO	PRODUCT CODE
R855827	CLT-D01x3.0-QEO2Y-C1H_U-SFNR-01x08-S7-gn
CABLE TYPE	CABLE VERSION
Central loose tube cable	n.a
CABLE APPLICATION	DIN/VDE CODE
universal-use	U-DQ(ZN)2Y(SR)H wbg
CPR CLASSIFICATION	DOP NO.:
Fca	D9029

### GENERAL DESCRIPTION

Corrugated steel tape armoured central loose tube cable with good mechanical and thus full rodent protection. The cable features a two jacket construction with up to 24 fibers maximum and is suitable for indoor or outdoor duct or direct buried installation.

### TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	G.657.A1
Fiber count	8
Loose-tube count	1
Loose tube nominal diameter	3
Inner jacket nominal thickness	0.8
Outer jacket nominal thickness	1.2
Cable outer diameter	10
Cable informative weight	115.0 kg/km / 77 lbs/1000ft
Standard put-up length on drum	2100 m ± 5%
Outer jacket material	UV stable FRLSZH
Jacket colour	green

## Central loose tube cable, universal-use, CSTA - steel tape armour, FRLSZH sheath - green, Fca, 01x08-fibers G657.A1

DESCRIPTION	VALUE / VALUE RANGE
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)

### MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	EN 60794-1-21:E1	500 N	$\Delta\alpha \leq 0,05$ dB
Tensile performance - during installation	EN 60794-1-21:E1	1500 N	$\Delta\alpha \leq 0,05$ dB after test
Crush resistance - long term	EN 60794-1-21:E3A	2500 N/100mm	$\Delta\alpha \leq 0,05$ dB prior release, no damage
Crush resistance - short term	EN 60794-1-21:E3A	5000 N/100mm	$\Delta\alpha \leq 0,05$ dB after release, no damage
Impact resistance	EN 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	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	-30 °C +70 °C / -22 °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		-30 °C to +70 °C / -22 °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
Flammability - vertical cable bundle	EN 60332-3-22 (cat. A)	Pass
Smoke density	EN 61034-1, EN 61034-2	Pass
Halogen free, acid gases	EN 60754-2	Pass
Euro classification to CPR	EN 50575, EN 13501-6	Fca