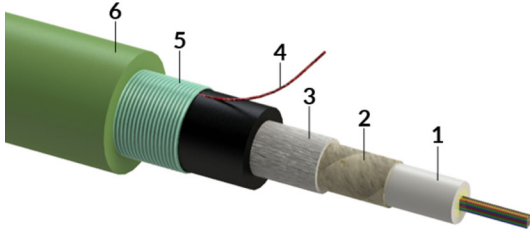


## Central loose tube cable, universal-use, CSTA - steel tape armour, FRLSZH sheath - green, Fca, 01x06-fibers OM4



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                             |
|--------------------------|--|
| R855807                  | CLT-D01x3.0-QEO2Y-C1H_U-SFNR-01x06-M4-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                     | OM4                         |
| Fiber count                    | 6                           |
| 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, 01x06-fibers OM4

| DESCRIPTION                  | VALUE / VALUE RANGE  |
|------------------------------|--|
| Fiber Color Code (IEC 60304) | 1.-12.: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink<br>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<br>+158 °F        | $\Delta\alpha \leq 0,05$ dB             |
| Temperature cycling - reversible           | EN 60794-1-22:F1  | -30 °C +70 °C / -22 °F<br>+158 °F       | $\Delta\alpha \leq 0,15$ dB, reversible |
| Temperature range - in service             |                   | -20 °C to +70 °C / -4 °F to<br>+158 °F  |   |
| Temperature range - during installation    |                   | -5 °C +50 °C / +23 °F<br>+122 °F        |   |
| Temperature range - in storage & transport |                   | -30 °C to +70 °C / -22 °F<br>to +158 °F |   |
| Moisture resistance                        | EN 60794-1-22:F5B | L = 3 m, 1 m water height,<br>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                 |