

# Single Loose Tube with Steel Tape Armoured Fibre Optic Cable CPR



Single Loose tube (SLT) Steel Tape Armour (STA) with E-Glass, 2 to 24 fiber OM1, OM2, OM3, OM4 multimode or G.657A1 single mode 250µm single loose tube metallic armored internal/external (int/ext) rodent resistant duct and direct burial cables with E-glass strength members, and Low Smoke Zero Halogen (LSZH) jacket. The single loose tube cables consists of 2 to 24, 250µm optical fibers in a single gel filled loose tube with longitudinally applied waterblocking E-glass non metallic strength members, Corrugated Steel Tape (CST) armoring and LSZH jacket. Euroclass Cca-s1a,d1,a1.

## FEATURES/BENEFITS

- Choice of fiber types
- Colour coded fibers
- CST armoring for enhanced impact, crush and rodent resistance
- Compact 250µm loose tube construction
- Flame retardant LSZH jacket for enhanced fire performance
- Fire resistance E120, PH120
- Reaction to fire Euroclass Cca-s1a,d1,a1

## APPLICATIONS

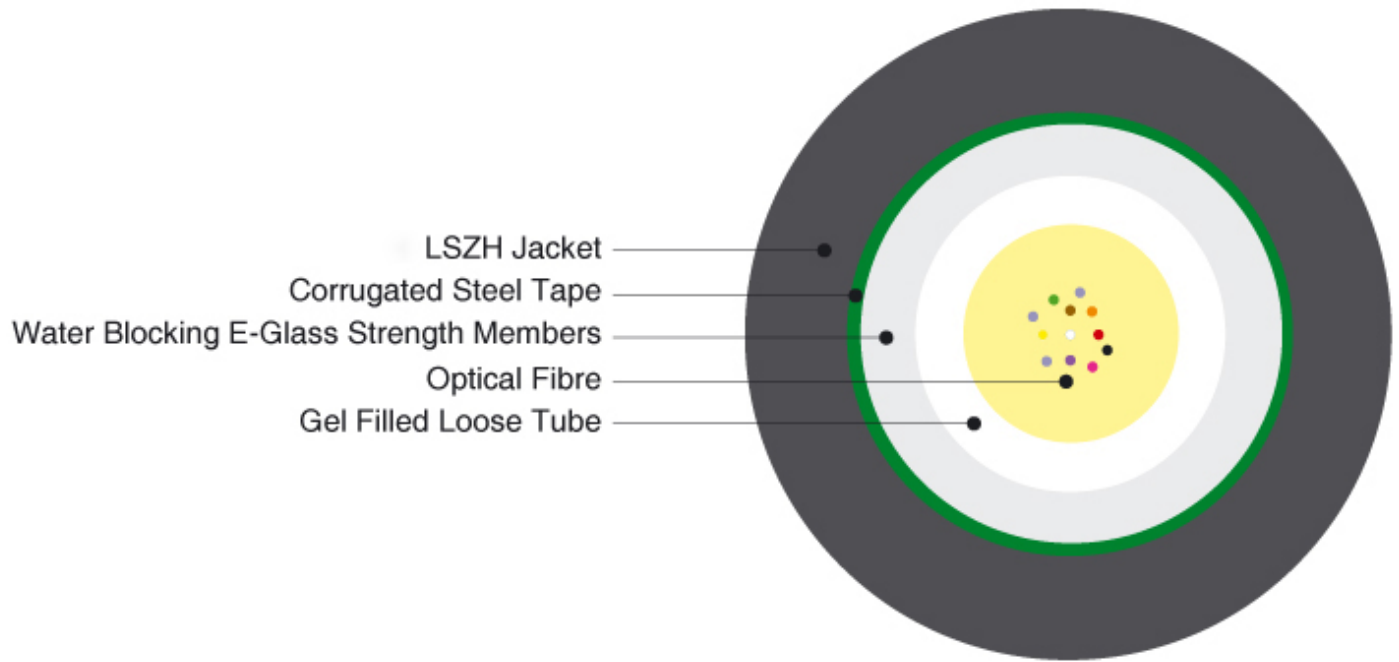
- Suitable for internal/external duct, tunnel and direct burial applications
- Suitable for environments where impact protection is required
- Ideal for intra building links in campus environments
- Circuit integrity applications

## SPECIFICATIONS

| PARAMETER                                    | UNIT               | VALUE                   |
|--|--------------------|-------------------------|
| Crush  | N/100 mm           | 2200                    |
| Strength member                              |                    | E-glass                 |
| Storage temperature                          | °C                 | -20 to 60               |
| Installation temperature                     | °C                 | -5 to 40                |
| Operating temperature                        | °C                 | -20 to 60               |
| Nominal weight 2f to 24f                     | kg/km              | 103                     |
| Fibre count                                  | n                  | 2, 4, 6, 8, 12, 16 & 24 |
| Nominal outer diameter 2f to 24f             | mm                 | 9.0 ±0.3                |
| Maximum tensile load (Short Term)            | N                  | 1500                    |
| Maximum tensile load (Long Term)             | N                  | 500                     |
| Minimum bend radius (Installed)              | mm                 | 180                     |
| Minimum bend radius (Installation)           | mm                 | 180                     |
| Drum length                                  | m                  | 2100 ± 105              |
| Plywood drum dimensions (Flange,Width) 2100m | mm (approximately) | F1000, W588             |
| Drum weight with cable 2100m                 | kg (approximately) | 224                     |

## FIRE TEST PARAMETER TEST METHOD RESULT

|                            |   |   |
|----------------------------|---|---|
| Reaction to Fire           | IEC 60332-1<br>IEC 60332-3-22<br>EN 50575 | EuroClass Cca-s1a,d1,a1   |
| Circuit Integrity          | IEC 60331-25<br>EN 50200                  | E120: length of test 120 minutes,<br>PH120: length of test 120 minutes including shocks |
| Toxicity                   | NF X 70-100-2                             |   |
| Smoke Density              | IEC 61034-2                               |   |
| Halogen acid gas content   | IEC 60754-1                               | Zero  |
| Degree of acidity of gases | IEC 60754-2                               | Minimum 4.3 pH<br>Maximum 10 µS/mm  |










**ORDERING INFORMATION**

| PART NUMBER (PN) | DESCRIPTION   | PHASING OUT PN |
|------------------|---|----------------|
| C1BS*F8ADT       | AFL Hyperscale **f OM1 62.5/125 Int/Ext SLT STA Cable E-Glass LSZH Black CPR  | OM1LTSTA**UCBK |
| C2BS*F8ADT       | AFL Hyperscale **f OM2 50/125 Int/Ext SLT STA Cable E-Glass LSZH Black CPR    | OM2LTSTA**UCBK |
| C3BS*F8ADT       | AFL Hyperscale **f OM3 50/125 Int/Ext SLT STA Cable E-Glass LSZH Black CPR    | OM3LTSTA**UCBK |
| C4BS*F8ADT       | AFL Hyperscale **f OM4 50/125 Int/Ext SLT STA Cable E-Glass LSZH Black CPR    | OM4LTSTA**UCBK |
| C7BS*F8ADT       | AFL Hyperscale **f G.657A1 9/125 Int/Ext SLT STA Cable E-Glass LSZH Black CPR | OS2LTSTA**UCBK |

Where \* is the cable fiber count code for the part number and \*\* is the cable fiber count for the description

| *Fiber count code | ** Cable fiber count |
|-------------------|----------------------|
| 2                 | 02                   |
| 4                 | 04                   |
| 6                 | 06                   |
| 8                 | 08                   |
| A                 | 12                   |
| B                 | 16                   |
| C                 | 24                   |

The following table represents colors available, on request, for the cable jacket.

| COLOR NAME | BLUE  | ORANGE  | RED  | BLACK   | YELLOW  | PURPLE  | AQUA  |
|------------|---|---|--|---|---|---|---|
| Color Code | 1   | 2   | 7  | 8   | 9   | A   | C   |
| ***Color   |  |  |  |  |  |  |  |

\*\*\*Please note that these colors are for guidance only and may display differently depending on your screen or printer.

To order a four fiber single mode cable with red jacket replace F8 in the part number with F7 and change Black in the description to Red.

For example -

C7BS4F7ADT AFL Hyperscale 04f G.657A1 9/125 Int/Ext SLT STA Cable E-Glass LSZH Red CPR



SCAN QR FOR PRODUCT PAGE

**FURTHER INFORMATION**

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/single-lt-sta-fiber-optic-cable-cpr>
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