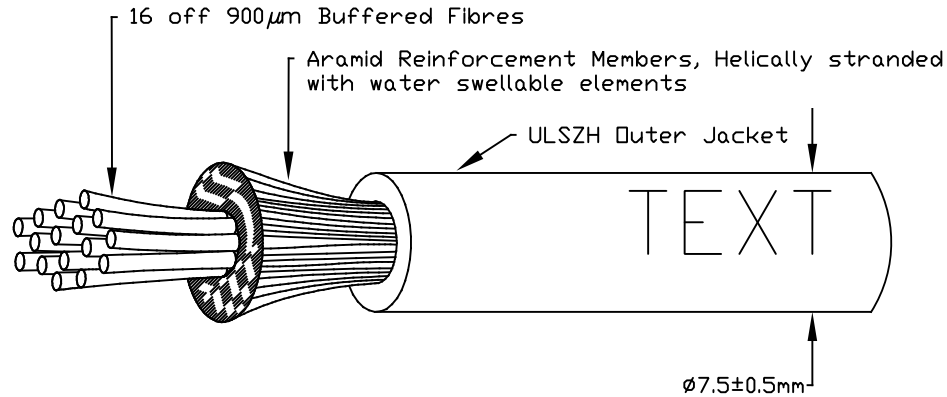


THIS DRAWING IS A CONTROLLED DOCUMENT DWG No: C-599149



CABLE SPECIFICATION

- All fibres shall be LSZH buffered
Fibre Type as per table
- 12 off 900µm Buffered fibres
Colours: Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise, Blue/Black Banded, Orange/Black Banded, Green/Black Banded & Brown/Black Banded
- Single jacket construction
Aramid reinforcement yarns to be evenly spaced around fibres
Universal Low Smoke Zero Halogen outer jacket
Jacket colour as per table
- Outer Jacket Text according 101-131550 Method C if fiber type is marked with *,
All other fiber types follow method A. Text height: 2.0mm to 4.0mm high

Example:

'COMMSCOPE GB OPTOBEND SYSTEM F.O. CABLE X-599149-3 INT/EXT DISTRIBUTION 6x50/125 OM3 [BATCH] XXXX (m)

- Mechanical properties of cable

| | |
|-----------------------------------|-------------|
| Tested ACC: | IEC 60794-1 |
| Nominal weight: | 87Kg/km |
| Minimum installation bend radius: | 100mm |
| Minimum service bend radius: | 100mm |
| Maximum installation tension: | 1000N |
| Maximum operating tension: | 600N |
| Maximum crush resistance: | 2000N/10cm |
| Operating temperature range: | -10 to +60° |
| Internal / External Grade | |

LOW SMOKE ZERO HALOGEN material to be compliant with:

| | |
|--------------------|--|
| Water Absorption: | IEC 60811-1 (2mg/cm ² 10Days @ 70°C |
| Smoke Emission: | IEC 61034 |
| Acid Gas Emission: | IEC 60754-1 |
| Toxicity: | NES 60713 |
| Fire Propagation: | IEC 60332-1 & 60332-3 |

- To meet the requirements of COMMSCOPE environmental specification CS-EPC-2001

| LTR | REVISION RECORD | DATE | DWN | APVD |
|-----|-----------------|---------|-----|------|
| A | EH00-1940-98 | 24NOV98 | MWH | MWH |
| B | EH-0318-00 | 06MAR00 | SVP | RG |
| C | JZ00-0002-02 | 29JUL02 | PWT | AG |
| D | JZ00-0054-04 | 14DEC04 | LT | AG |
| E | JZ00-0012-05 | 21FEB05 | LT | AG |
| G | ECR-09-000445 | 09JAN09 | JD | AG |
| H | ECR-09-026657 | 07JAN10 | LST | AG |
| J | ECR-10-019077 | 16SEP10 | LST | AG |
| K | 40032006MCO | 11JUL16 | NM | DJW |
| L | 8000021556 | 31MAR17 | TV | DW |

OPTOBEND IN THE PRINT ONLY APPLIES TO FIBRE TYPES MARKED WITH AN ASTERIX *

| Colour | Attenuation | Bandwidth | Dispersion | OM | Part No |
|---------------------|--|---|-------------------|----|------------|
| Yellow | 0.37/0.25 | Singlemode | 9/125 G657A2 BI * | | X-599149-8 |
| Orange | 2.50/0.70 | 500/500 | 50/125 OM2 BI * | | X-599149-7 |
| Orange | 2.80/0.90 | 200/600 | 62.5/125 OM1 | | X-599149-5 |
| Yellow | 0.37/0.25 | Singlemode | 9/125 DS2 | | X-599149-4 |
| Aqua | 2.50/0.70 | 1500/500 | 50/125 OM3 BI * | | X-599149-3 |
| Aqua | 2.50/0.70 | 3500/500 | 50/125 OM4 BI * | | X-599149-2 |
| Yellow | 0.37/0.25 | Singlemode | 9/125 G657A1 BI * | | X-599149-1 |
| Outer Jacket Colour | Max cable fibre attn. loss dB/Km @ 850/1300nm for multimode and @ 1310/1550nm for singlemode | Minimum bandwidth @ 850/1300n for multimode | Fibre Type | | MID/PN |

| | | | | | | |
|----------------|---|-----------------------------|--|--|--|------------|
| Dimensions: MM | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 | Drawn: J. DYER 09 JAN 09 | COMMSCOPE Commscope Connectivity Uk Ltd Kinmel Park, Bodelwyddan, Denbighshire, LL18 5TZ FO CAB I/EDC x16 Fibre Optic Cable Int/Ext Distribution ULSZH Cable x16 | | | |
| | ANGLE: - SURFACE TEXTURE: | Checked: D. WALKER | | | | Scale: N/A |
| | | Approved: A. GIBBONS | | | | |