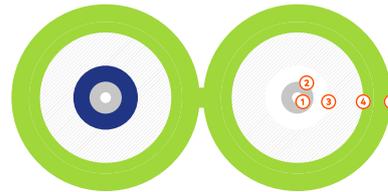


DESCRIPTION

Commonly used in the manufacture of patch cords, to interconnect fiber optic equipment.

APPLICABLE STANDARDS

- ISO/IEC 11801; • EN 50173-1; • EN50575; • IEC 60794-2;
- IEC 60332-1-[1,2]; • IEC 60754-[1,2]; • IEC 61034-[1,2]; • ANSI/TIA-568-C; • IEC 60793; • ITU G651.1; • ITU G652; • ITU G657.



- ① Optical Fiber;
- ② Coating Fiber;
- ③ Tight-buffer;
- ④ Strength Member;
- ⑤ Outer Jacket.



CABLE PROPERTIES

| | | Cable Diameter 2 mm | | Cable Diameter 3 mm | |
|----------------------|----------------|--|----------------|---------------------|----------------|
| Number of Fibers | | 1 | 2 | 1 | 2 |
| Optical Fiber | Dimension (µm) | 245 ± 5 | 245 ± 5 | 245 ± 5 | 245 ± 5 |
| | Color | Natural | Natural | Natural | Natural |
| Tight-buffered Fiber | Dimension (µm) | 900 ± 50 | 900 ± 50 | 900 ± 50 | 900 ± 50 |
| | Material | LSZH | LSZH | LSZH | LSZH |
| | Color | White | White and Blue | White | White and Blue |
| Strenght Member | | Aramid Yarn | Aramid Yarn | Aramid Yarn | Aramid Yarn |
| Outer Jacket | Material | LSZH | LSZH | LSZH | LSZH |
| | Color | OM2 - Orange; OM3 - Aqua; OM4 - Purple; OM5 - Lime Green; OS2 - Yellow | | | |

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

| | | Cable Diameter 2 mm | | Cable Diameter 3 mm | |
|--|---------|----------------------|-------|---------------------|-----------|
| Number of Fibers | | 1 | 2 | 1 | 2 |
| Tensile Strength (Long Term) | N | 60 | 120 | 250 | 300 |
| Tensile Strength (Short Term - Installation) | N | 120 | 240 | 500 | 600 |
| Impact | J | 1 | 1 | 1 | 5 |
| Torsion | | 5 cycles ± 1 turn | | | |
| Crush | N/10cm | 2000 | 500 | 2000 | 500 |
| Min. Bend Radius (Loaded - Unloaded) | mm | 20 | 10xOD | 30 | 10xOD |
| Installation Temperature | °C | -10 to +60 | | | |
| Operating Temperature | °C | -30 to +60 | | | |
| Storage Temperature | °C | -10 to +60 | | | |
| Water Penetration | | No water on free end | | | |
| Cable Diameter | mm | 2,0 | 2x4,2 | 3,0 | 2,9 x 5,8 |
| Nominal Cable Weight | (kg/km) | 4,5 | 8 | 10 | 15 |



TIGHT BUFFER
ZIP-CORD

CABLE MARK

barpa (Code Number) F.O. Cable LSZH (ITU Recommendation) (N° fibers) Verified to ISO/IEC 11801; IEC 61156-5; EN 50173-1; EN 50288-6-1 and ANSI/TIA-568-C.2 ___m (CPR Class) (produce date)

ORDER INFORMATION

| Cable Diameter | Number of Fibers | Reel Meters (km) | Reel Size (cm) | Gross Weight (kg/reel) |
|----------------|------------------|------------------|----------------|------------------------|
| 2 mm | 1 | 2 | 35x35x30 | 10 |
| | 2 | 2 | 45x45x35 | 17.5 |
| 3 mm | 1 | 2 | 35x35x30 | 10 |
| | 2 | 2 | 45x45x35 | 17.5 |

ORDER INFORMATION

| Cable Diameter | Number of Fibers | OM2 | OM3 | OM4 | OM5 | G652D | G657A2 | G657B3 |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2 mm | 1 | - | - | - | - | 81112102101 | 81112102201 | 81112102301 |
| | 2 | 81113102402 | 81114102502 | 81115102602 | 81117102702 | 81112102102 | 81112102202 | 81112102302 |
| 3 mm | 1 | - | - | - | - | 81112103101 | 81112103201 | 81112103301 |
| | 2 | 81113103402 | 81114103502 | 81115103602 | 81117103702 | 81112103102 | 81112103202 | 81112103302 |



To order in Dca-s2, d2, a1 add "D1" at the end of the code. To order in B2ca-s1a, d1, a1 add "B1" at the end of the code. Without any CPR add "S" at the end of the code. Available in different CPR class. Please specify in your request.



As part of our goal to achieve quality excellence, our barpa System Warranty can give you 25 years products and solution assurance of compliance with the industry performance standard comparing with the class installed. This warranty applies to network infrastructure installations that was made by an approved barpa Partner using an barpa solution (end-to-end). For more informations go to our website.

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