

Fibre Optical Multi Loose Tube Cable

Outdoor, 192F & 216F

2.3mm PBT

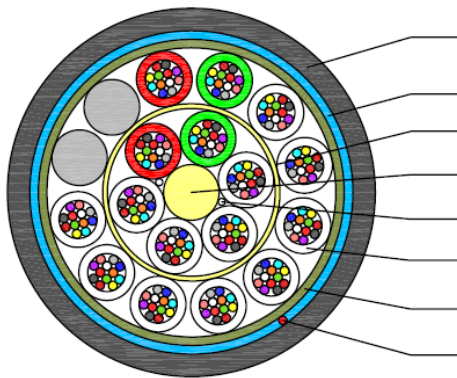


OFC-21X192-LBE to OFC-21X216-LBE

Applications

Building interconnection, Backbone networks, Telecommunication and drop cable applications.

Cross Section Drawing



- Black HDPE Outer Sheath, UV Stable
(Other Colours Available on Request)
- Water Blocking E-glass
- Water Blocking Aramid Yarn
- FRP Dielectric Central Strength Member (OD 2.5mm)
- Water Blocking Yarn
- Gel Filled Loose Tube with Optical Fibres
- Water-swellable Tape
- Rip Cord

Design

Unit	Properties
Fibre	Jelly Filled Loose Tube with Optical Fibre
Strength Member	Fibre Reinforced Central Strength Member (FRP)
Waterblocking Agent – CSM	Water Blocking Yarn
Waterblocking Agent – 1st Layer	Water Blockin Aramid yarn
Tape	Water Swellable Tape
Ripcord	Yes
Water Blocking Agent – Around Cable Core	E-Glass
Sheath Material	UV Stable High Density Polyethylene (LDPE)
Sheath Colour	Black as Standard
Standard Put Up Length	2000 meters
Packaging Details	Wooden Drum

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Fibre Count	No of Tubes/ Fillers	Fibres per tube	Loose tube Diameter (mm)	CSM OD (mm)	Cable OD (mm)	Cable Weigth (Kg/km)	Operating Temperature (°C)
192	16/2	12	2.3	2.5	15.4	187	-40 to +70
216	18/0						

Mechanical Characteristics

Fibre Count	Max. Tensile Strength (N)	Max. Crush Resistance	Impact	Min. Bend Radius
192	3300	2000N / 10cm	3 Impacts (W/15N.m)	15xOD
216				

Colour Coding Scheme

Fibre Colour 1	2	3	4	5	6	7	8	9	10	11	12
Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink
Fibre Colour 13	14	15	16	17	18	19	20	21	22	23	24
Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black*	Orange	Pink
Fibre 13-24 with a Black Ring, * with a white ring											
Tube Colour											
Red	Green	White	White	White	White	White	White	White	White	White	White

Reference Standards

ITU-T G652 , ITU-T G657
IEC60304
IEC 60794-1-2
RoHS directives

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Ordering Information

Partnumber	Description
OFC-219192-LBE	Multi Loose Tube Cable 192- fibre PE G652D
OFC-219216-LBE	Multi Loose Tube Cable 216- fibre PE G652D
OFC-217192-LBE	Multi Loose Tube Cable 192- fibre PE G657A1
OFC-217216-LBE	Multi Loose Tube Cable 216- fibre PE G657A1
OFC-211192-LBE	Multi Loose Tube Cable 192- fibre PE OM1 62.5/125
OFC-211216-LBE	Multi Loose Tube Cable 216- fibre PE OM1 62.5/125
OFC-212192-LBE	Multi Loose Tube Cable 192- fibre PE OM2 50/125
OFC-212216-LBE	Multi Loose Tube Cable 216- fibre PE OM2 50/125
OFC-213192-LBE	Multi Loose Tube Cable 192- fibre PE OM3 50/125
OFC-213216-LBE	Multi Loose Tube Cable 216- fibre PE OM3 50/125
OFC-214192-LBE	Multi Loose Tube Cable 192- fibre PE OM4 50/125
OFC-214216-LBE	Multi Loose Tube Cable 216- fibre PE OM4 50/125