

# Fibre Optical Multi Loose Tube Cable

## Indoor-Outdoor, 24F to 144F

2.3mm PBT

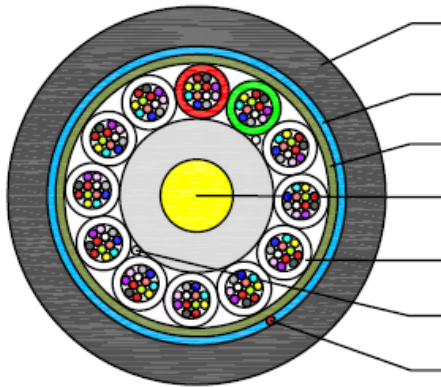


OFC-34X024-LBE to OFC-34X144-LBE

### Applications

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

### Structural Drawing



- Black HFFR Outer Sheath, UV Stable  
(Other Sheath Colours Available on Request)
- Water blocking E-glass yarn
- Water-Swallowable Tape
- FRP dielectric central strength member (OD 2.5mm),  
PE coated (OD 6.7mm)
- Gel filled loose tube with optical fibres
- Water blocking yarn
- Rip Cord

### Design

Unit	Properties
Fibre	Jelly Filled Loose Tube with Optical Fibre
Strength Member	Fibre Reinforced Central Strength Member (FRP) PE Coated above 72F
Waterblocking Agent – CSM	Water Blocking Yarn
Waterblocking Agent – Cable Core	E-Glass
Tape (from 60F – 144F)	Water Blocking Tape
Ripcord	Yes
Sheath Material	UV Stable Halogen Free Flame Retardant (HFFR)
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)	CSM PE Coated	Cable OD (mm)	Cable Weighth (Kg/km)	Operating Temperature (°C)
24	2/3	12	2.3	1.0	No	8.9	86	-40 to +70
36	3/2							
48	4/1							
60	5/1			2.5	No	10.6	117	
72	6/0							
96	8/0							
144	12/0							
				2.5/3.8	Yes	11.9	145	
				2.5/6.7	Yes	14.8	207	

### Mechanical Characteristics

Fibre Count	Max. Tensile Strength (N)	Max. Crush Resistance	Impact	Min. Bend Radius	
24	1400	2000N / 10cm	3 Impacts (W/20N.m)	15xOD	
36					
48					
60	2700				
72					
96					3400
144					5500

### 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

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### Reference Standards

ITU-T G652 , ITU-T G657	EN 50266-1
IEC60304	EN 50266-2-2
IEC 60794-1-2	EN 50267-1
IEC 60332-2-22 Cat A	EN 50267-2-2 & -3
IEC 61034 -1 & 2	RoHS directives
IEC 60754-1 & 2	

### Ordering Information

Unit	Properties
OFC-349024-LBE	Multi Loose Tube Cable 24- fibre G652D HFFR
OFC-349036-LBE	Multi Loose Tube Cable 36- fibre G652D HFFR
OFC-349048-LBE	Multi Loose Tube Cable 48- fibre G652D HFFR
OFC-349060-LBE	Multi Loose Tube Cable 60- fibre G652D HFFR
OFC-349072-LBE	Multi Loose Tube Cable 72- fibre G652D HFFR
OFC-349096-LBE	Multi Loose Tube Cable 96- fibre G652D HFFR
OFC-349144-LBE	Multi Loose Tube Cable 144- fibre G652D HFFR
OFC-347024-LBE	Multi Loose Tube Cable 24- fibre G657A1 HFFR
OFC-347036-LBE	Multi Loose Tube Cable 36- fibre G657A1 HFFR
OFC-347048-LBE	Multi Loose Tube Cable 48- fibre G657A1 HFFR
OFC-347060-LBE	Multi Loose Tube Cable 60- fibre G657A1 HFFR
OFC-347072-LBE	Multi Loose Tube Cable 72- fibre G657A1 HFFR
OFC-347096-LBE	Multi Loose Tube Cable 96- fibre G657A1 HFFR
OFC-347144-LBE	Multi Loose Tube Cable 144- fibre G657A1 HFFR
OFC-341024-LBE	Multi Loose Tube Cable 24- fibre OM1 62.5/125 HFFR
OFC-341036-LBE	Multi Loose Tube Cable 36- fibre OM1 62.5/125 HFFR
OFC-341048-LBE	Multi Loose Tube Cable 48- fibre OM1 62.5/125 HFFR
OFC-341060-LBE	Multi Loose Tube Cable 60- fibre OM1 62.5/125 HFFR
OFC-341072-LBE	Multi Loose Tube Cable 72- fibre OM1 62.5/125 HFFR
OFC-341096-LBE	Multi Loose Tube Cable 96- fibre OM1 62.5/125 HFFR
OFC-341144-LBE	Multi Loose Tube Cable 144- fibre OM1 62.5/125 HFFR
OFC-342024-LBE	Multi Loose Tube Cable 24- fibre OM2 50/125 HFFR
OFC-342036-LBE	Multi Loose Tube Cable 36- fibre OM2 50/125 HFFR
OFC-342048-LBE	Multi Loose Tube Cable 48- fibre OM2 50/125 HFFR
OFC-342060-LBE	Multi Loose Tube Cable 60- fibre OM2 50/125 HFFR
OFC-342072-LBE	Multi Loose Tube Cable 72- fibre OM2 50/125 HFFR
OFC-342096-LBE	Multi Loose Tube Cable 96- fibre OM2 50/125 HFFR
OFC-342144-LBE	Multi Loose Tube Cable 144- fibre OM2 50/125 HFFR

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**OFC-34X024-LBE to OFC-34X144-LBE**

OFC-343024-LBE	Multi Loose Tube Cable 24- fibre OM3 50/125 HFFR
OFC-343036-LBE	Multi Loose Tube Cable 36- fibre OM3 50/125 HFFR
OFC-343048-LBE	Multi Loose Tube Cable 48- fibre OM3 50/125 HFFR
OFC-343060-LBE	Multi Loose Tube Cable 60- fibre OM3 50/125 HFFR
OFC-343072-LBE	Multi Loose Tube Cable 72- fibre OM3 50/125 HFFR
OFC-343096-LBE	Multi Loose Tube Cable 96- fibre OM3 50/125 HFFR
OFC-343144-LBE	Multi Loose Tube Cable 144- fibre OM3 50/125 HFFR
OFC-344024-LBE	Multi Loose Tube Cable 24- fibre OM4 50/125 HFFR
OFC-344036-LBE	Multi Loose Tube Cable 36- fibre OM4 50/125 HFFR
OFC-344048-LBE	Multi Loose Tube Cable 48- fibre OM4 50/125 HFFR
OFC-344060-LBE	Multi Loose Tube Cable 60- fibre OM4 50/125 HFFR
OFC-344072-LBE	Multi Loose Tube Cable 72- fibre OM4 50/125 HFFR
OFC-344096-LBE	Multi Loose Tube Cable 96- fibre OM4 50/125 HFFR
OFC-344144-LBE	Multi Loose Tube Cable 144- fibre OM4 50/125 HFFR