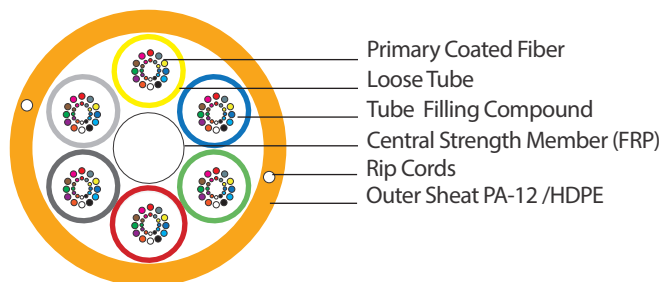


**MULTI TUBE MICRO CABLE PA-12/HDPE IU 200µm (G657A1) 72 - 144 fibers 5,7 mm**



**Properties**

- Multi Loose Tube Unarmoured
- Outer Sheath PA-12/HDPE for optimal blowing length
- Completely dielectric / non metallic cable immune to electromagnetic interferences
- Optimal cable structure
- High fiber density
- Rip cords to open Outer Sheath

**Specifications/Norms**

Standard:	IEC 60794
Temperature Range Norms :	IEC 60794-1-2-F1
Storage	-30° to + 70°C
Installation	-30° to + 70°C
Operation	-30° to + 70°C
Fiber colour :	acc. to DIN
Fiber type :	Singlemode G657A1 IEC/ITU standards

**Characteristics**

Cable Diameter : 5,7mm (+/- 0,3mm)  
 Cable Weight : 28 kg/km  
 Min. Bending Radius : static 12 x Cable Diameter  
 dynamic 20 x Cable Diameter  
 Crush Resistance : 300N/100mm  
 Tensile Strength : During Installation 500N  
 Installed 450N  
 Outer Sheath colour: Orange - PA12 / Black - HDPE

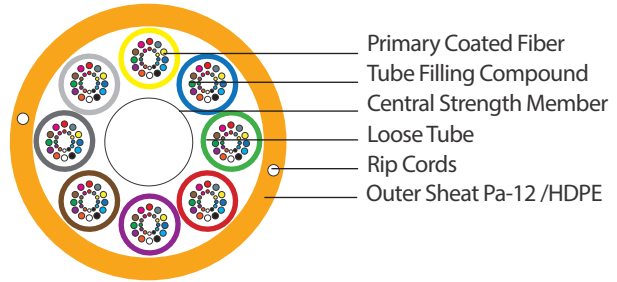
The Outer Sheath is marked in 1 meter intervals as follows:  
 Inkjet-Print: MICRO CABLE, FIBER COUNT, FIBER TYPE, PRODUCTION CODE, DRUM NUMBER

Colourcode Fiber - colours in bundle (13 -24 with rings )  
 Tube colours

1	2	3	4	5	6	7
red	green	blue	yellow	white	grey	brown
8	9	10	11	12		
violet	cyan	black	orange	rosa		

Cable type	Fiber Number	Fiber Type	Cable Ø	Recommended microduct inside Ø	Drum Length
ML Tube PA/HDPE 5,7mm 3x24	72	G657A1	5,7 mm	8 - 14 mm	2 km / 4 km
ML Tube PA/HDPE 5,7mm 4x24	96	G657A1	5,7 mm	8 - 14 mm	2 km / 4 km
ML Tube PA/HDPE 5,7mm 6x24	144	G657A1	5,7 mm	8 - 14 mm	2 km / 4 km

**MULTI TUBE MICRO CABLE PA-12/HDPE IU 200µm  
(G657A1) 192 fibers 6,7 mm, 288 fibers 8,7 mm**



**Properties**

- Multi Loose Tube Unarmoured
- Outer Sheath PA-12/HDPE for optimal blowing length
- Completely dielectric / non metallic cable immune to electromagnetic interferences
- Optimal cable structure
- High fiber density
- Rip cords to open Outer Sheath

**Specifications/Norms**

Standard:	IEC 60794
Temperature Range Norms :	IEC 60794-1-2-F1
Storage	-30° to + 70°C
Installation	-30° to + 70°C
Operation	-30° to + 70°C
Fiber colour :	acc. to DIN
Fiber type :	Singlemode G657A1 IEC/ITU standards

**Characteristics**

- Cable Diameter : for 192F - 6,7 mm/ for 288F - 8,7 mm (+/- 0,3mm)  
 Cable Weight : for 192F - 40 kg/km/ for 288F - 66 kg/km  
 Min. Bending Radius : static 12 x Cable Diameter  
 dynamic 20 x Cable Diameter  
 Crush Resistance : 300 N /100 mm  
 Tensile Strength : During Installation 1250N  
 Installed 1000N  
 Outer Sheath colour: Orange - PA12 / Black - HDPE

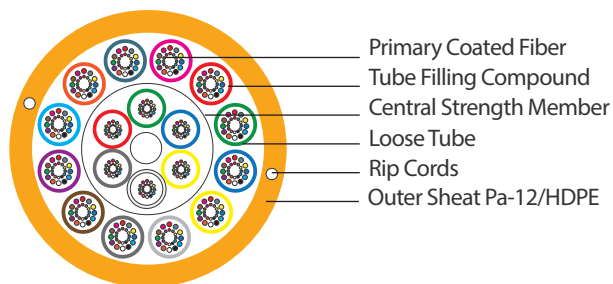
The Outer Sheath is marked in 1 meter intervals as follows:  
 Inkjet-Print: MICRO CABLE, FIBER COUNT, FIBER TYPE, PRODUCTION CODE, DRUM NUMBER

Colourcode Fiber - colours in bundle (13 -24 with rings )  
 Tube colours

1	2	3	4	5	6	7
red	green	blue	yellow	white	grey	brown
8	9	10	11	12		
violet	cyan	black	orange	rosa		

Cable type	Fiber Number	Fiber Type	Cable Ø	Recommended microduct inside Ø	Drum Length
ML Tube PA/HDPE 6,7mm 8x24	192	G657A1	6,7 mm	10 - 14 mm	2 km / 4 km
ML Tube PA/HDPE 8,7mm 12x24	288	G657A1	8,7 mm	12 - 16 mm	2 km / 4 km

**MULTI TUBE MICRO CABLE PA-12/HDPE IU 200µm  
(G657A1) 432 fibers 9,0 mm, 576 fibers 10,5 mm**



**Properties**

- Multi Loose Tube Unarmoured
- Outer Sheath PA-12/HDPE for optimal blowing length
- Completely dielectric / non metallic cable immune to electromagnetic interferences
- Optimal cable structure
- High fiber density
- Rip cords to open Outer Sheath

**Specifications/Norms**

Standard:	IEC 60794
Temperature Range Norms :	IEC 60794-1-2-F1
Storage	-30° to + 70°C
Installation	-30° to + 70°C
Operation	-30° to + 70°C
Fiber colour :	acc. to DIN
Fiber type :	Singlemode G657A1 IEC/ITU standards

**Characteristics**

Cable Diameter : for 432F - 9,0 mm (+/- 0,3mm)  
for 5762F - 10,5 mm (+/- 0,3mm)

Cable Weight : for 432F - 64 kg/km  
for 576F - 88 kg/km

Min. Bending Radius : static 12 x Cable Diameter  
dynamic 20 x Cable Diameter

Crush Resistance : 300 N /100 mm

Tensile Strength : During Installation for 432F 650N  
Installed for 432F 450N  
During Installation for 576F 1000N  
Installed for 576F 850N

Outer Sheath colour: Orange - PA12 / Black - HDPE  
The Outer Sheath is marked in 1 meter intervals as follows:  
Inkjet-Print: MICRO CABLE, FIBER COUNT, FIBER TYPE, PRODUCTION CODE, DRUM NUMBER

Colourcode Fiber - colours in bundle (13 -24 with rings )  
Tube colours

1	2	3	4	5	6	7
red	green	blue	yellow	white	grey	brown
8	9	10	11	12		
violet	cyan	black	orange	rosa		

Cable type	Fiber Number	Fiber Type	Cable Ø	Recommended microduct inside Ø	Drum Length
ML Tube PA/HDPE 9,0mm 18x24	432	G657A1	9,0 mm	14 - 18 mm	2 km / 4 km
ML Tube PA/HDPE 10,5mm 24x24	576	G657A1	10,5 mm	14 - 18 mm	2 km / 4 km