



LIACC FO Access cable ADSS 2-72 cores, Mid Span.



*All images are indicative

Features

Aerial installation on HT power lines
All Dielectric Non-Metallic design
Waterproof
HDPE and UV-Resistant outer jacket

Standards of reference and applications

IEC 60793, IEC 60794-1, IEC60794-3-20, ANSI/ICEA S-104-696, EN 187105, Telcordia
GR-20 | Telcordia GR-409
Intrabuilding Voice and Data/LAN Communication Networks
Telecommunication
Building access in FTTx networks

Installation Features

Store at -40 to +70 °C

Install at -10 to +60 °C, **Bend minimum** 20 times O.D.

Operate at -40 to +70 °C, **Bend minimum** 15 times O.D.

Design

Optical fiber : 125/250µm Single Mode or Multi Mode

Buffer : PBTP loose tube filled with jelly (nominal dial. 2.5 ± 0.1 mm)

Central member : FRP (nominal diameter 2.0mm).

Assembling : tubes and fillers assembled together according to "Colour Code" table

Wrapping : water blocking tape.

inner jacket : Black MDPE material

Peripheral element : aramide yarns with ripcord.

Outer jacket : Black HDPE material, UV resistant

Marking : APS Finland - ww/yy - Fiber Optic Cable ADSS MT80 fiber count x fiber type - P/N - lot + meter

Environmental properties

UV resistant : UL1581, IEC11801

Mechanical properties

Pulling tension : 8000 N ($\Delta\alpha$ reversible, IEC 60794-1-2-E1)

Nominal span : 160m

Maximumspan : 280m

Crush : 3000N/100mm ($\Delta\alpha$ reversible, IEC 60794-1-2-E3)

Impact : 15J ($\Delta\alpha$ reversible, IEC 60794-1-2-E4)

Water penetration : 3m cable, 1m water, 24 hours (IEC 60794-1-2-F5)

Colour code of tubes and fibers

	1	2	3	4	5	6	7	8	9	10	11	12
Tube Colours	Blue	Orange	Green	Brown	Grey	White (natural)						
Fiber Colours	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Fillers	Black											

Fiber Optic characteristics

See detailed specification of optical fibers.

Ordering and delivery information

Fiber Count	Part Number	No. of tubes	Fibers per tube	Fillers	Nominal O.D. (mm)	Weight (kg/km)	Packaging
2	MT8002xxMSPoo	1	2	5	14.0	145	Drum (2 or 4km)
4	MT8004xxMSPoo	1	4	5	14.0	145	Drum (2 or 4km)
8	MT8008xxMSPoo	1	8	5	14.0	145	Drum (2 or 4km)
12	MT80121xxMSPoo	1	12	5	14.0	145	Drum (2 or 4km)
12	MT80122xxMSPoo	2	6	4	14.0	145	Drum (2 or 4km)
24	MT8024xxMSPoo	2	12	4	14.0	145	Drum (2 or 4km)
48	MT8048xxMSPoo	4	12	2	14.0	145	Drum (2 or 4km)
72	MT8072xxMSPoo	6	12	0	14.0	145	Drum (2 or 4km)

xx = fiber type

ex. OS2=S2, OM1=M1, OM2=M2, OM3=M3, OM4=M4

oo = delivery length

ex. 2000m=D2, 4000m=D4

Recommended connectivity

Pigtails : APS LIIN-25 series

Patch cords : APS LIIN-25 series

Adapters : APS LIIN-25 series

Patch Panels : APS LIIN-25 series

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Design

Optical fiber : 125/250µm Single Mode or Multi Mode

Buffer : PBTP loose tube filled with jelly (nominal dial. $2.5 \pm 0.1\text{mm}$)

Central member : FRP (nominal diameter 2.0mm).

Assembling : tubes and fillers assembled together according to "Colour Code" table

Wrapping : water blocking tape.

Peripheral element : aramide yarns with ripcord.

Outer jacket : Black HDPE material, UV resistant

Marking : APS Finland - ww/yy - Fiber Optic Cable ADSS MT30 fiber count x fiber type - P/N - lot + meter

Environmental properties

UV resistant : UL1581, IEC11801

Mechanical properties

Pulling tension : 3000 N ($\Delta\alpha$ reversible, IEC 60794-1-2-E1)

Nominal span : 80m

Maximumspan : 120m

Crush : 2000N/100mm ($\Delta\alpha$ reversible, IEC 60794-1-2-E3)

Impact : 10J ($\Delta\alpha$ reversible, IEC 60794-1-2-E4)

Water penetration : 3m cable, 1m water, 24 hours (IEC 60794-1-2-F5)

Colour code of tubes and fibers

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Fillers	Black											

Fiber Optic characteristics

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Ordering and delivery information

Fiber Count	Part Number	No. of tubes	Fibers per tube	Fillers	Nominal O.D. (mm)	Weight (kg/km)	Packaging
2	MT3002xxASPoo	1	2	5	11.0	110	Drum
4	MT3004xxASPoo	1	4	5	11.0	110	Drum
8	MT3008xxASPoo	1	8	5	11.0	110	Drum
12	MT30121xxASPoo	1	12	5	11.0	110	Drum

Fiber Count	Part Number	No. of tubes	Fibers per tube	Fillers	Nominal O.D. (mm)	Weight (kg/km)	Packaging
12	MT30122xxASPool	2	6	4	11.0	110	Drum
24	MT3024xxASPool	2	12	4	11.0	110	Drum
48	MT3048xxASPool	4	12	2	11.0	110	Drum
72	MT3072xxASPool	6	12	0	11.0	110	Drum

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