



LIACC FO Access cable MTE 24-144 cores, Outdoor, 4000N

*All images are indicative



Features

Outdoor and duct installation
All Dielectric Non-Metallic design
Light weight

Standards of reference and applications

IEC 60793, IEC 60794
Intrabuilding Voice and Data/LAN Communication Networks
Installation in Ducts & Conduits
Building access in FTTx networks

Installation Features

Store at -40 to +70 °C
Install at -5 to +50 °C, **Bend minimum** 20 times O.D.

Operate at -40 to +70 °C, **Bend minimum** 10 times O.D.

Design

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

Buffer : PBTP loose tube filled with jelly (nominal diameter 2.0mm).

Central member : FRP (nominal diameter 2.5mm).

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

Wrapping : water blocking tape.

Protection : anti-rodent glass yarns.

Rip cord : under the outer jacket.

Outer jacket : Black HDPE material, UV resistant (nominal thickness 1.5mm)

Marking : APS Finland - ww/yy - Fiber Optic Cable MTE40 fiber count x fiber type - P/N - lot + meter

Environmental properties

UV resistant : UL1581, IEC11801

Mechanical properties

Pulling tension : 4000 N ($\Delta\alpha$ reversible, IEC 60794-1-2-E1)

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

Impact : 3J ($\Delta\alpha$ 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)	Red	Black	Yellow	Violet	Pink	Aqua
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	O.D. (mm)	Weight (kg/km)	Packaging
24	MTE4024xxoo	2	12	4	9.5	95	Drum
48	MTE4048xxoo	4	12	2	9.5	95	Drum
72	MTE4072xxoo	6	12	0	12.0	130	Drum
96	MTE4096xxoo	8	12	0	12.0	130	Drum
144	MTE40A4xxoo	12	12	0	12.0	130	Drum

xx = fiber type ex. OS2=S2, G657A1 = A1, OM1=M1, OM2=M2, OM3=M3, OM4=M4, OM5=M5
oo = delivery length ex. 2000m=D2, 4000m=D4

Recommended connectivity

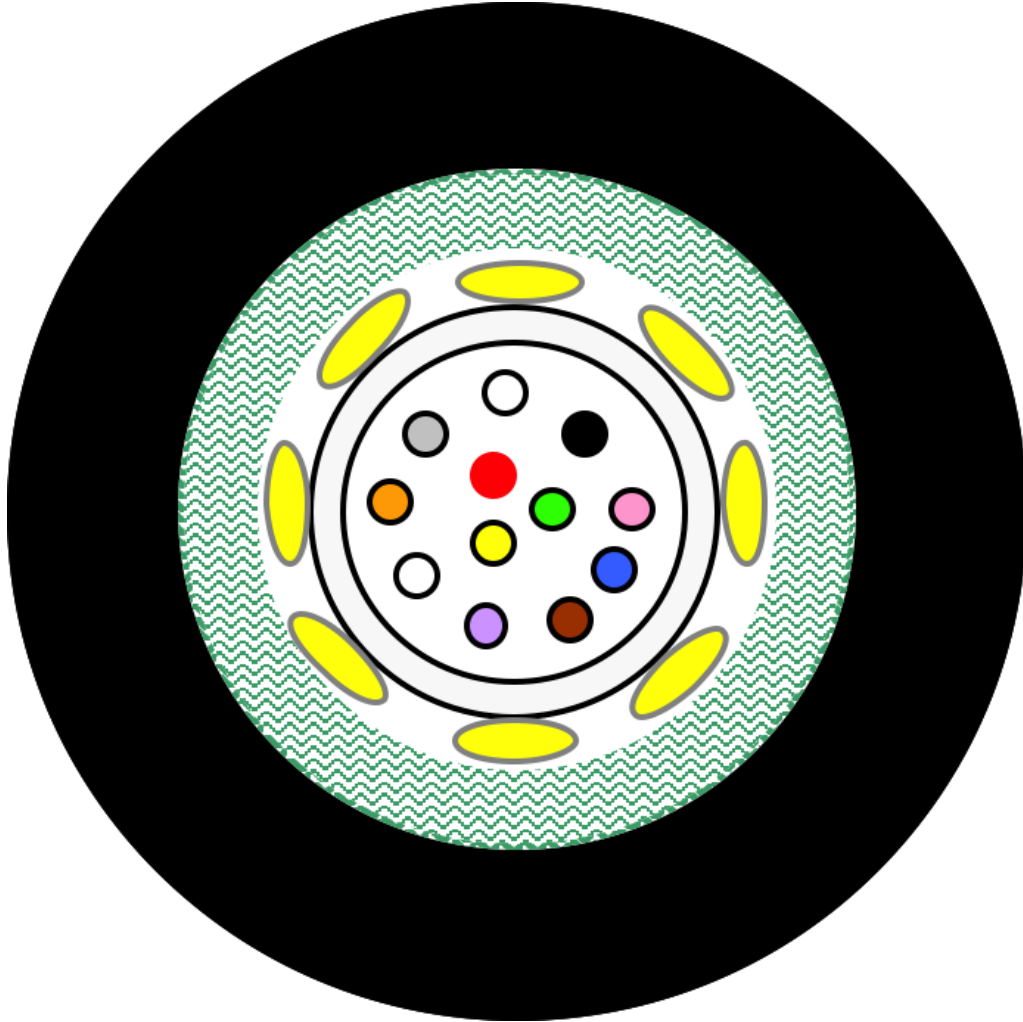
Pigtails : APS LIIN-25 series

Patch cords : APS LIIN-25 series

Adapters : APS LIIN-25 series

Patch Panels : APS LIIN-25 series

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LIACC FO Access cable UT9H 2-24 cores, Outdoor, 1500N



*All images are indicative

Features

Outdoor and duct installation

Metallic armour and moisture barrier

Compact and light weight

Standards of reference and applications

IEC 60793, IEC 60794

Intrabuilding Voice and Data/LAN Communication Networks

Installation in Ducts & Conduits

Building access in FTTx networks

Installation Features

Store at -30 to +70 °C

Install at -5 to +50 °C, **Bend minimum** 20 times O.D. (installation)

Operate at -45 to +60 °C, **Bend minimum** 15 times O.D. (static)

Design

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

Buffer : PBTP loose tube filled with jelly (nominal diameter 2.3mm).

Protection : anti-rodent glass yarns.

Armour: corrugated steel tape.

Outer jacket : Black LSZH material, UV resistant

Marking : APS Finland - ww/yy - Armoured Fiber Optic Cable UT9H fiber count x fiber type - P/N - lot + meter

Environmental properties

Degree of acidity of gases : IEC 60754-1, IEC 60754-2

Halogen acid gas : IEC 60754-1, IEC 60754-2

Smoke Emission : IEC 61034-2, EN 50268-2

Toxicity of evolved gas : EN 50305 9.2

Flame retardant : IEC 60332-1-2

Fire retardant : IEC 60332-3-24 Cat.C

UV resistant : UL1581, IEC11801

Mechanical properties

Pulling tension : 1500 N ($\Delta\alpha$ reversible, IEC 60794-1-2-E1)

Crush : 1000N/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 fibers

	1	2	3	4	5	6	7	8	9	10	11	12
Bundle A	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
	13	14	15	16	17	18	19	20	21	22	23	24
Bundle B	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Fiber Optic characteristics

See detailed specification of optical fibers.

Ordering and delivery information

Fiber Count	Part Number	No. of tubes	Fibers per tube	Nominal O.D. (mm)	Weight (kg/km)	Packaging
2	UT9H02xxoo	1	2	8.5	85	Drum
4	UT9H04xxoo	1	4	8.5	85	Drum
8	UT9H08xxoo	1	8	8.5	85	Drum
12	UT9H12xxoo	1	12	8.5	85	Drum
24	UT9H24xxoo	1	24	8.5	85	Drum

xx = fiber type OS2=S2, OM1=M1, OM2=M2, OM3=M3, OM4=M4
oo = delivery length 2000m=D2

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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