

Evolant® Solutions

Indoor Cable Catalog



CORNING
Discovering Beyond Imagination

Corning
Cable Systems



FutureLink™ Gel-Free - Cable A-BQ(BN)H

Central Tube Design, Non-Metallic, Gel-Free

Evolant® Solution Products
Product Description



Application

- Installation into duct systems
- Deployed both indoors and outdoors
- For campus backbone and building backbone
- Cabling between floor distributors and terminal equipment.

Features

- Halogen-free polypropylene tube
- Low smoke according to IEC 61034 and EN 50268 and zero-halogen (LSZH™)
- Flame retardant according to IEC 60332-3C and EN 50266-2-4
- Non-corrosive according to IEC 60754-2 and EN 50267
- Water blocking according to IEC 60794-1-F5
- Laminated glass-yarns for improved rodent resistance
- Light, thin and robust cable
- UV resistant
- Suitable for use outdoors and indoors

Special Features

- Completely gel-free for easier stripping
- Small diameter and lightweight
- Upgrade to flame retardant rating according to IEC 60332-3C
- Low fire load

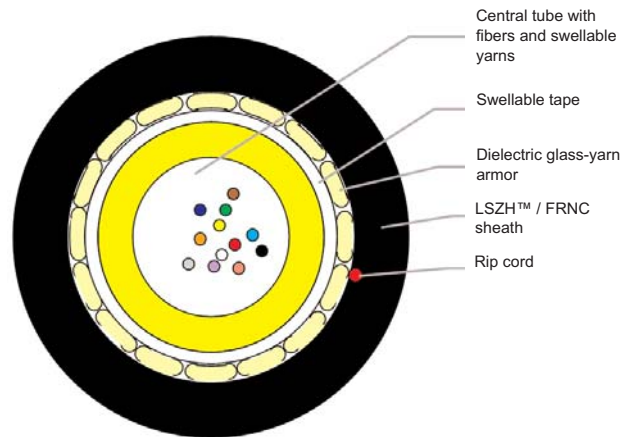
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -30 °C to +70 °C
- Transport and storage -30 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Central buffer tube Ø (mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM1-D6004-U700	A-BQ(BN)H 1x4	4	3.0	6.8	46	1000	140	0.83
LCXLM1-D6006-U700	A-BQ(BN)H 1x6	6	3.0	6.8	46	1000	140	0.83
LCXLM1-D6008-U700	A-BQ(BN)H 1x8	8	3.0	6.8	46	1000	140	0.83
LCXLM1-D6012-U700	A-BQ(BN)H 1x12	12	3.0	6.8	46	1000	140	0.83

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ Gel-Free - Cable A-BBQ(BN)H

Central Tube Design, Non-Metallic, Gel-Free

Evolant® Solution Products
Product Description



Application

- Installation into duct systems
- Deployed both indoors and outdoors
- For campus backbone and building backbone
- Cabling between floor distributors and terminal equipment.

Features

- Halogen-free polypropylene tube
- Low smoke according to IEC 61034 and EN 50268 and zero-halogen (LSZH™)
- Flame retardant according to IEC 60332-3C and EN 50266-2-4
- Non-corrosive according to IEC 60754-2 and EN 50267
- Water blocking according to IEC 60794-1-F5
- Laminated glass-yarns for improved rodent resistance
- Light, thin and robust cable
- UV resistant
- Suitable for use outdoors and indoors

Special Features

- Completely gel-free for easier stripping
- Small diameter and lightweight
- Upgrade to flame retardant rating according to IEC 60332-3C

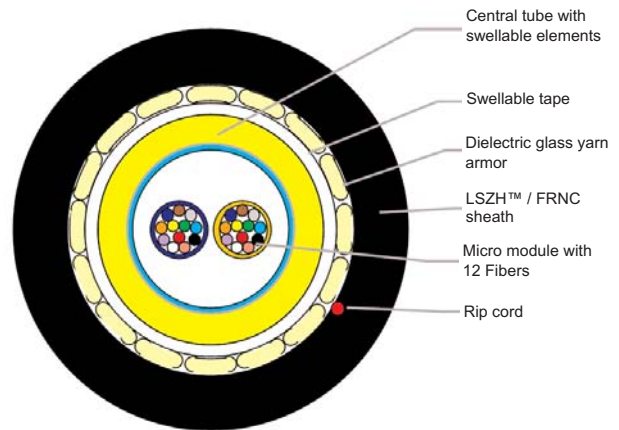
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -30 °C to +70 °C
- Transport and storage -30 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Central buffer tube Ø (mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM1-D6024-U700	A-BBQ(BN)H 1x(2x12)	24	5.5	9.5	79	1500	190	1.54

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ MPC A-DQ(ZN)H...LG

Multipurpose Cables, Loose Tube

Evolant® Solution Products

Product Description

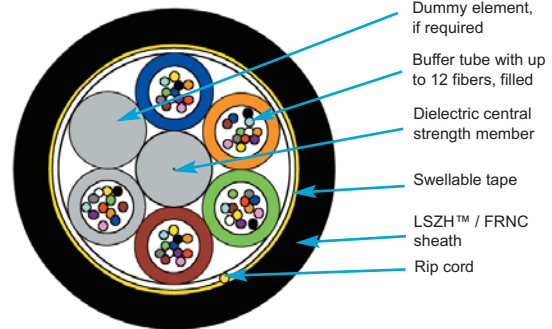


Application

- Installation into duct systems
- Deployed both indoors and outdoors
- For campus backbone and building backbone

Features

- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-1 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Dry cable core
- Water blocking to IEC 60794-1-2-F5
- UV resistant
- Suitable for use outdoors and indoors



Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -30 °C to +70 °C
- Transport and storage -40 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km

Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Fibers per loose buffer tube	Number of loose buffer tubes	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM1-D4012-U701	A-DQ(ZN)H 2x6...LG	12	6	2	11.2	115	2700	200	2.65
LCXLM1-D4024-U701	A-DQ(ZN)H 4x6...LG	24	6	4	11.2	115	2700	200	2.54
LCXLM1-D4024-U704	A-DQ(ZN)H 2x12...LG	24	12	2	11.2	115	2700	200	2.63
LCXLM1-D4036-U701	A-DQ(ZN)H 3x12...LG	36	12	3	11.2	115	2700	200	2.56
LCXLM1-D4048-U701	A-DQ(ZN)H 4x12...LG	48	12	4	11.2	115	2700	200	2.49
LCXLM1-D4060-U701	A-DQ(ZN)H 5x12...LG	60	12	5	11.2	115	2700	200	2.42
LCXLM1-D4072-U702	A-DQ(ZN)H 6x12...LG	72	12	6	11.2	115	2700	200	2.35

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ MPC A-DQ(BN)H...LG

Multipurpose Cables, Loose Tube

Evolant® Solution Products
Product Description



Application

- Installation into duct systems
- Deployed both indoors and outdoors
- For campus backbone, building backbone and between floor distributors

Features

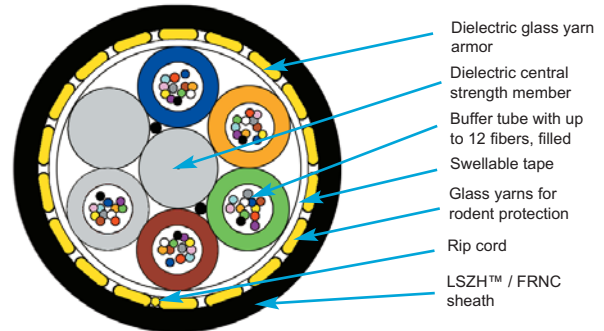
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-1 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Dry cable core
- Water blocking to IEC 60794-1-2-F5
- Laminated glass-yarns for improved rodent resistance
- UV resistant
- Suitable for use outdoors and indoors

Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -30 °C to +70 °C
- Transport and storage -40 °C to +70 °C

Typical Attenuation Values (for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Fibers per loose buffer tube	Number of loose buffer tubes	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM1-D4012-U702	A-DQ(BN)H 2x6	12	6	2	11.6	130	4000	260	2.29
LCXLM1-D4024-U702	A-DQ(BN)H 4x6	24	6	4	11.6	130	4000	260	2.63
LCXLM1-D4024-U703	A-DQ(BN)H 2x12	24	12	2	11.6	130	4000	260	2.71
LCXLM1-D4036-U702	A-DQ(BN)H 3x12	36	12	3	11.6	130	4000	260	2.64
LCXLM1-D4048-U702	A-DQ(BN)H 4x12	48	12	4	11.6	130	4000	260	2.58
LCXLM1-D4060-U702	A-DQ(BN)H 5x12	60	12	5	11.6	130	4000	260	2.52
LCXLM1-D4072-U701	A-DQ(BN)H 6x12	72	12	6	11.6	130	4000	260	2.46

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ MPC A-DQ(BN)H

Multipurpose Cables, Central Tube

Evolant® Solution Products

Product Description



Application

- Installation into duct systems
- Deployed both indoors and outdoors
- For campus backbone, building backbone and between floor distributors

Features

- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant according to IEC 60 332-3 (up to 12 fibers) or IEC 60 332-1 (16- and 24-fiber) and noncorrosive according to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Laminated glass yarns for improved rodent resistance
- Water blocking to IEC 60794-1-2-F5
- UV resistant
- Suitable for use outdoors and indoors
- Small diameter

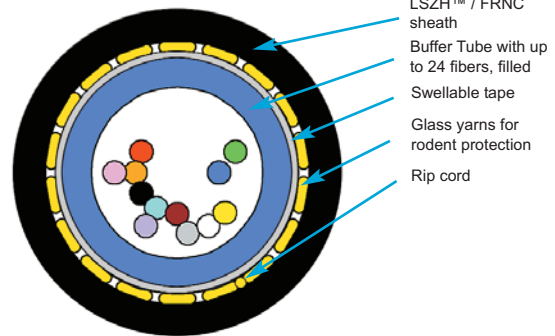
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Fibers per bundle	Central buffer tube Ø(mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM1-D0004-U700	A-DQ(BN)H 1x4	4	4	3.0	7.0	50	1000	150	0.94
LCXLM1-D0006-U700	A-DQ(BN)H 1x6	6	6	3.0	7.0	50	1000	150	0.94
LCXLM1-D0008-U700	A-DQ(BN)H 1x8	8	8	3.0	7.0	50	1000	150	0.94
LCXLM1-D0012-U700	A-DQ(BN)H 1x12	12	12	3.0	7.0	50	1000	150	0.94
LCXLM1-D0016-U700	A-DQ(BN)H 1x16	16	8	5.0	9.0	78	1500	190	1.64
LCXLM1-D0024-U700	A-DQ(BN)H 1x24	24	12	5.0	9.0	78	1500	190	1.64

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ i-MPC Tight-Buffered A-VQ(BN)H ... TB3

Multipurpose Cables, Tight-Buffered

Evolant® Solution Products
Product Description



Application

- Installation into duct systems
- Deployed both indoors and outdoors
- For campus backbone, building backbone and between floor distributors
- Direct connectorization without fanout adapters

Features

- Tight-buffered fiber of 900 µm diameter,
- TB3 design (easy to strip)
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Laminated glass yarns for improved rodent resistance
- Completely dry design, water blocking to IEC 60794-1-2-F5
- UV resistant
- Suitable for use outdoors and indoors
- Especially suitable for field-installable UniCam® connectors
- Pre-assembled lengths available

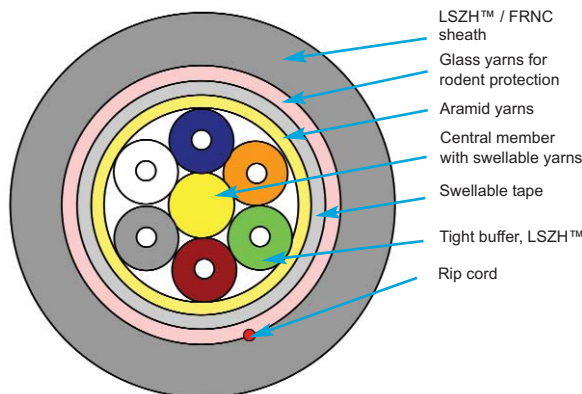
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -30 °C to +70 °C
- Transport and storage -40 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,38 dB / km
- 1550 nm: 0,25 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM2-D5004-U700	A-VQ(BN)H 1x4	4	6.2	37	1500	135	0.53
LCXLM2-D5006-U700	A-VQ(BN)H 1x6	6	6.8	42	2000	150	0.67
LCXLM2-D5008-U700	A-VQ(BN)H 1x8	8	7.0	46	2000	150	0.71
LCXLM2-D5012-U700	A-VQ(BN)H 1x12	12	8.7	74	2700	200	1.04
LCXLM2-D5016-U700	A-VQ(BN)H 1x16	16	9.3	81	2700	210	1.38
LCXLM2-D5024-U700	A-VQ(BN)H 1x24	24	10.3	99	2700	245	1.69

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ MPC Tunnel Cables with Circuit Integrity A-D(BN)H

Evolant® Solution Products
Product Description



Application

- Installation into duct systems
- Transportation tunnel with demand for high security performance and other secured areas
- Deployed both indoors and outdoors
- For campus backbone, building backbone and between floor distributors

Features

- Circuit integrity to IEC 60331-11 and IEC 60331-25 (90 min @ 750° C)
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC)
- All-dielectric cable construction; requires no grounding or bonding
- Laminated glass yarns for improved rodent resistance
- Dry cable core
- UV resistant
- Water blocking to IEC 60794-1-2-F5
- Suitable for use outdoors and indoors
- Outstanding cable with high performance

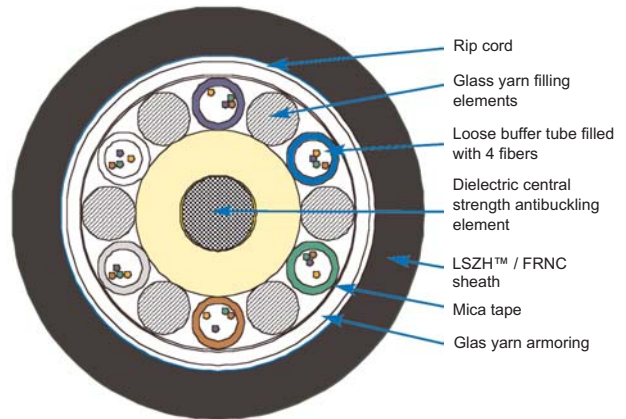
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLM1-D4004-U700-IN	A-D(BN)H 2x2	4	15.2	253	5000	340	3.62
LCXLM1-D4006-U700-IN	A-D(BN)H 3x2	6	15.2	252	5000	340	3.65
LCXLM1-D4008-U700-IN	A-D(BN)H 4x2	8	15.2	250	5000	340	3.68
LCXLM1-D4012-U700-IN	A-D(BN)H 3x4	12	15.2	249	5000	340	3.71
LCXLM1-D4016-U700-IN	A-D(BN)H 4x4	16	15.2	248	5000	340	3.75
LCXLM1-D4024-U700-IN	A-D(BN)H 6x4	24	15.2	246	5000	340	3.78

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ Indoor - Cable J-DH...LG

Indoor Cables, Loose Tube

Evolant® Solution Products

Product Description



Application

- Placing and pulling into cable conduits
- Shafts inside buildings
- Building backbone, riser, horizontal subsystems and under floor

Features

- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-1 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Small diameter
- Low weight
- Low fire load rating

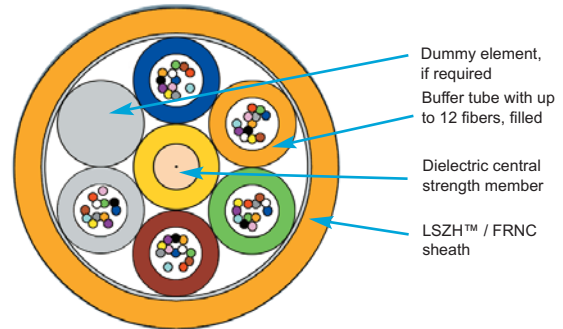
Temperature Range

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- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Fibers per loose buffer tube	Number of loose buffer tubes	Number of stranding elements	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXL11-D4012-U700	J-DH 2x6...LG	12	6	2	6	9.8	85	2000	170	2.06
LCXL11-D4024-U702	J-DH 4x6...LG	24	6	4	6	9.8	85	2000	170	1.94
LCXL11-D4024-U701	J-DH 2x12...LG	24	12	2	6	9.8	85	2000	170	2.04
LCXL11-D4036-U701	J-DH 3x12...LG	36	12	3	6	9.8	85	2000	170	1.97
LCXL11-D4048-U701	J-DH 4x12...LG	48	12	4	6	9.8	85	2000	170	1.90
LCXL11-D4060-U701	J-DH 5x12...LG	60	12	5	6	9.8	85	2000	170	1.83
LCXL11-D4072-U700	J-DH 6x12...LG	72	12	6	6	9.8	85	2000	170	1.75
LCXL11-D4096-U700	J-DH 8x12...LG	96	12	8	8	11.3	120	2000	200	2.37
LCXL11-D4120-U700	J-DH 10x12...LG	120	12	10	10	12.9	160	2000	225	3.17
LCXL11-D4144-U700	J-DH 12x12...LG	144	12	12	12	14.6	205	2000	255	4.13

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ Indoor - Cable J-DH

Indoor Cables, Central Tube

Evolant® Solution Products

Product Description



Application

- Placing and pulling into cable conduits
- Shafts inside buildings
- Building backbone, riser, horizontal subsystems and under floor

Features

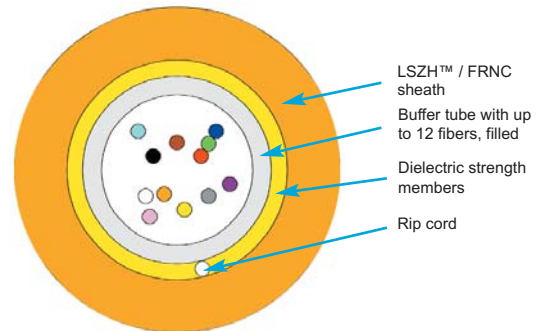
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-1 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Small diameter
- Low weight
- Low fire load rating

Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Typical Attenuation Values (for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of fibers	Central buffer tube Ø(mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXL11-D0004-U700	J-DH 1x4	4	3.0	6.2	40	800	140	0.71
LCXL11-D0006-U700	J-DH 1x6	6	3.0	6.2	40	800	140	0.71
LCXL11-D0008-U700	J-DH 1x8	8	3.0	6.2	40	800	140	0.70
LCXL11-D0012-U700	J-DH 1x12	12	3.0	6.2	40	800	140	0.69
LCXL11-D0024-U700	J-DH 1x(2x12)	24	5.0	7.8	63	1000	175	1.28

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

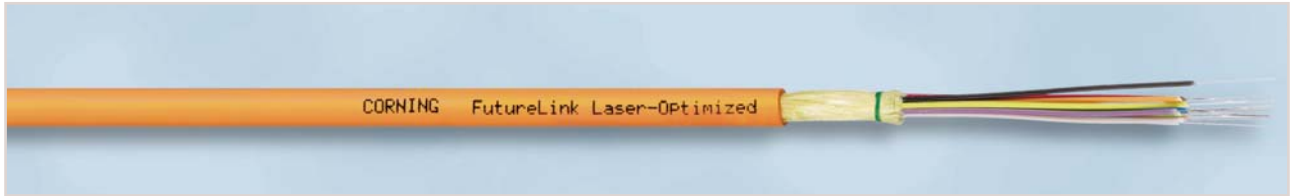
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FutureLink™ Indoor Tight-Buffered - Cable (i-MIC) – J-VH...TB3

Indoor Cables, Multifiber TB3

Evolant® Solution Products
Product Description

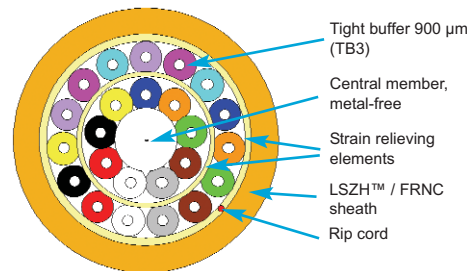


Application

- Placing and pulling into cable conduits
- Shafts inside buildings
- Building backbone, riser, horizontal subsystems and under floor
- For use as jumper and adapter cables
- Easy and direct field connectorization

Features

- Utilizes 900 µm tight-buffered fiber with TB3 coating, enabling easy consistent stripping
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Completely dry design



Temperature Range

- Installation and assembly –5 °C to +50 °C
- Operation –20 °C to +60 °C
- Transport and storage –25 °C to +70 °C

Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Typical Attenuation Values (for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,38 dB / km
- 1550 nm: 0,25 dB / km

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1 Blue	5 Grey	9 Yellow
2 Orange	6 White	10 Violet
3 Green	7 Red	11 Pink
4 Brown	8 Black	12 Turquoise

Ordering number	Type designation	Number of TB3 fibers	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLI2-D5002-U700	J-VH 2	2	3.8	15	400	57	0.28
LCXLI2-D5004-U700	J-VH 4	4	4.2	18	600	63	0.35
LCXLI2-D5006-U700	J-VH 6	6	5.1	25	600	77	0.48
LCXLI2-D5008-U700	J-VH 8	8	5.5	29	800	78	0.52
LCXLI2-D5012-U700	J-VH 12	12	6.2	36	800	93	0.70
LCXLI2-D5016-U700	J-VH 16	16	6.5	42	1000	98	0.81
LCXLI2-D5024-U700	J-VH 24	24	8.0	59	1000	120	1.13

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

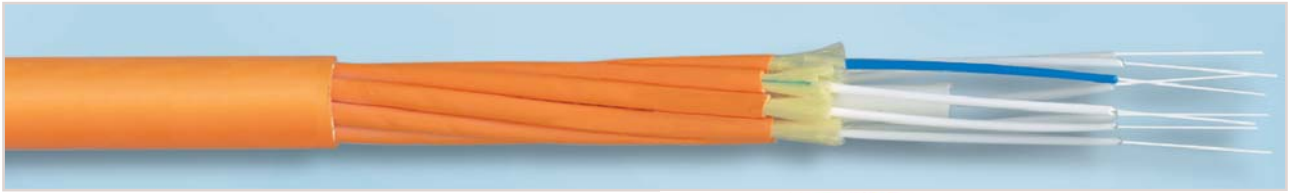
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FutureLink™ Indoor Breakout - Cable T-VHH...TB3

Indoor Breakout Cables with 2.0mm or 2.8mm Subunits

Evolant® Solution Products
Product Description



Application

- Particularly suitable for placing and pulling into cable conduits and shafts (building backbone, horizontal sub-systems and underfloor).
- For use as jumper and adapter cables and for connecting workstations inside buildings (FTTD).
- Used as inter-building cables laid in dry conduits.
- Easy and direct in field connectorization is possible with enhanced strain relief.

Features

- Utilizes 900 µm tight-buffered fiber with TB3 coating, enabling easy consistent stripping (up to 100 mm)
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Completely dry design
- Additional strength members in 2.8 mm or 2.0mm diameter subunits

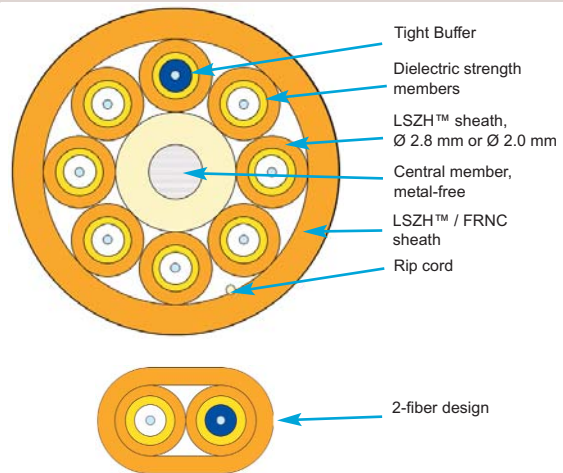
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,36 dB / km
- 1550 nm: 0,22 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Ordering number	Type designation	Number of fibers	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
2.0 mm Subunits							
LCXLI2-D3002-U750	T-VHH 2	2	3.0 x 5.0	17	300	60	0.31
LCXLI2-D3004-U750	T-VHH 4	4	6.7	41	600	115	0.74
LCXLI2-D3006-U750	T-VHH 6	6	7.8	58	1200	135	0.99
LCXLI2-D3008-U750	T-VHH 8	8	9.1	79	1200	155	1.48
LCXLI2-D3012-U750	T-VHH 12	12	11.6	135	2000	200	2.48
LCXLI2-D3024-U750	T-VHH 24	24	13.9	170	2000	240	3.21
2.8 mm Subunits							
LCXLI2-D3002-U720	T-VHH 2	2	3.9 x 6.8	28	400	60	0.40
LCXLI2-D3004-U720	T-VHH 4	4	8.5	62	1000	150	1.14
LCXLI2-D3006-U720	T-VHH 6	6	10.3	94	1600	180	1.77
LCXLI2-D3008-U720	T-VHH 8	8	12.1	133	2000	210	2.49
LCXLI2-D3012-U720	T-VHH 12	12	15.8	240	2700	275	4.43

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ Assembly Cable V-E9

Assembly Cables Tight Buffer

Evolant® Solution Products
Product Description



Application

- Used normally for connectorization or inside fiber management hardware

Features

- Utilizes 900 / 700 µm tight-buffered fibers with TB3 or TB coating, enabling easy consistent stripping (TB3 up to 100 mm, TB up to 1500 mm)
- Low-smoke to IEC 61034 and zero-halogen (LSZH)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC)
- Completely dry design (no gel)

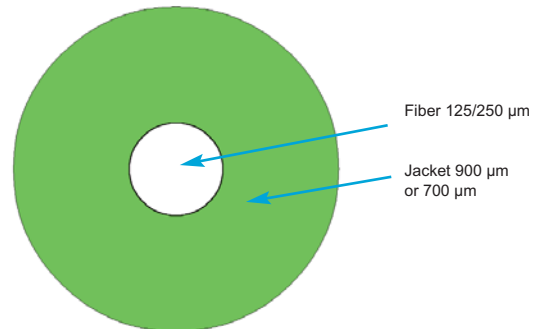
Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,38 dB / km
- 1550 nm: 0,25 dB / km



Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Ordering number	Type designation	Once-piece stripping length (m)	Sheath type	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)
LCXLI2-EX001-U700-GE	V-E9 (900µm)	≤ 1.5	TB	0.9	0.95	30	0.14
LCXLI2-EX001-U704-GE	V-E9 (900µm)	≤ 0.1	TB3	0.9	0.95	30	0.14
LCXLI2-EX001-U702-GE	V-E9 (700µm)	≤ 1.5	TB R	0.7	0.60	30	0.14
LCXLI2-EX001-U701-GE	V-E9 (700µm)	≤ 0.1	TB3 R	0.7	0.60	30	0.14

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

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FutureLink™ Assembly Cable J-VH1 TB3

Assembly Simplex Cables (Patchcables)

Evolant® Solution Products

Product Description

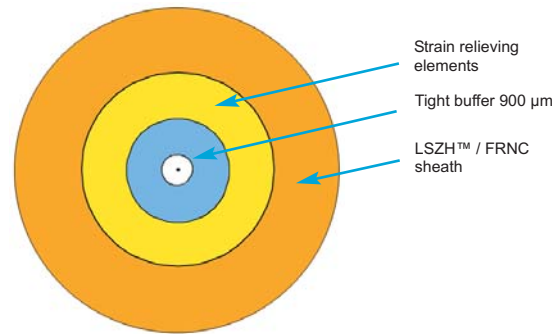


Application

- Used for single fiber patching or inside fiber management hardware

Features

- Utilizes 900 µm tight-buffered fibers with TB3 coating, enabling easy consistent stripping (up to 100 mm)
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC)
- Completely dry design (no gel)
- All-dielectric cable construction requires no grounding or bonding



Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,38 dB / km
- 1550 nm: 0,25 dB / km

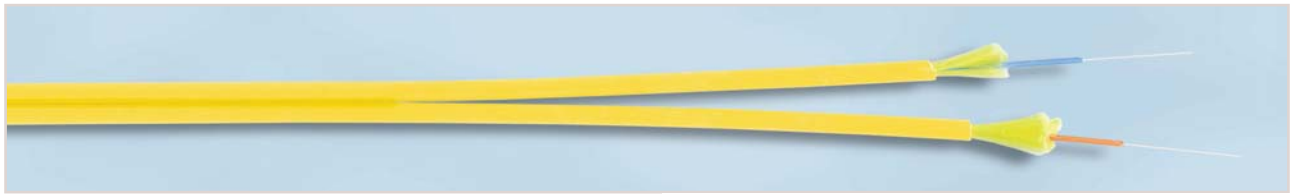
Ordering number	Type designation	Number of fibers	Tight buffer Ø (mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLI2-D2001-U740	J-VH 1 TB3	1	0.9	1.6	2.5	100	35	0.05
LCXLI2-D2001-U750	J-VH 1 TB3	1	0.9	2.0	4.1	150	35	0.08
LCXLI2-D2001-U720	J-VH 1 TB3	1	0.9	2.8	8.2	200	50	0.15

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

FutureLink™ Assembly Cable J-VH2 TB3

Assembly Duplex Cable (Zipcord/Mini-Zip)

Evolant® Solution Products
Product Description

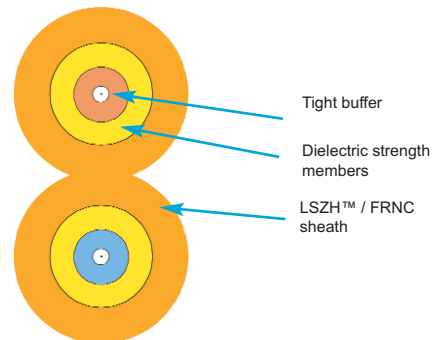


Application

- Used for duplex fiber patching or inside fiber management hardware

Features

- Tight-buffer design 900 µm (TB3)/700 µm (TB3 R) with stripping up to 100mm
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC)
- All-dielectric cable construction requires no grounding or bonding
- Completely dry design



Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,38 dB / km
- 1550 nm: 0,25 dB / km

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

- 1 Blue
- 2 Orange

Ordering number	Type designation	Number of fibers	Tight buffer Ø (mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLI2-D2002-U720	J-VH 2x1 TB3	2	0.9	2.8 x 5.7	16	400	50	0.30
LCXLI2-D2002-U750	J-VH 2x1 TB3	2	0.9	2.0 x 4.1	8.5	300	35	0.16
LCXLI2-D2002-U740	J-VH 2x1 TB3 R	2	0.7	1.8 x 3.7	6	150	35	0.11

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

FutureLink™ Assembly Cable J-VH2 TB3 R

Assembly Cables, Mini-MiC

Evolant® Solution Products

Product Description

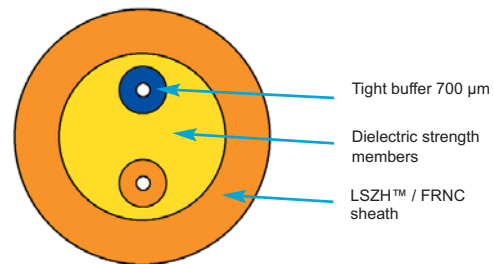


Application

- Mini-MiC bulk cabling for cable assembly manufacturing operations is used primarily for terminating multi-fiber connectors (MT-RJ)

Features

- Tight-buffered fiber of 700 µm diameter, TB3 R design (easy to strip - up to 100 mm)
- Low-smoke to IEC 61034 and zero-halogen (LSZH™)
- Flame-retardant to IEC 60 332-3 and non-corrosive to IEC 60754-2 (FRNC) and DIN VDE0472 part 813
- All-dielectric cable construction requires no grounding or bonding
- Completely dry design
- Especially suitable for factory assembly with MT-RJ connectors



Temperature Range

- Installation and assembly -5 °C to +50 °C
- Operation -20 °C to +60 °C
- Transport and storage -25 °C to +70 °C

Test Procedures to IEC 60793-1, 60794-1-2

- Tensile strength
- Impact resistance
- Crush resistance
- Bending characteristics
- Temperature cycling
- Water penetration

Typical Attenuation Values

(for standard single-mode fiber according to ITU-T G.652.D)

- 1310 nm: 0,38 dB / km
- 1550 nm: 0,25 dB / km

Telcordia Color Code For Fibers / Fiber Units (Bellcore)

1	Blue
2	Orange

Ordering number	Type designation	Number of fibers	Tight buffer Ø (mm)	Outer Ø (mm)	Net weight (kg/km)	Max. tensile load during installation (N)	Min. bending radius during installation (mm)	Fire load (MJ/m)
LCXLI2-D1002-U701	J-VH 2 TB3 R	2	0.7	2.9	8	200	50	0.20

Other attenuation values, fiber counts, fiber types, cable designs and color codes on request.

Type Codes For Fiber Optic Cables

Sales & Marketing Carrier EMEA



A-	Outdoor cable
B	Armoring
(BN)	Glass yarn, non-metallic armoring, e.g. for rodent protection
D	Loose buffer tube, filled
E	Single-mode fiber
F	Filling compound in the cable core
FR	Cable with improved burning behavior
...F...	Attenuation coefficient in dB/km and dispersion in ps/(nm km) at a wavelength of 1310 nm
G	Multimode fiber
H	FRNC sheath
...H...	Attenuation coefficient in dB/km and dispersion in ps/(nm km) at a wavelength of 1550 nm
J-	Indoor cable
K	Slotted core
N	Fiber in central core tube without buffer
NC	Non-corrosive smoke fumes
(L)	Laminated Aluminum sheath
LG	Stranded in layers
S	Metallic elements in the core
Q	Dry swellable material in the cable core (dry core)
(SG)	Armoring by laminated, smooth, longitudinal, overlapped steel tape
(SR)	Armoring by laminated, corrugated, longitudinal, overlapped steel tape
(T)	Nonmetallic, concentric, loadbearing elements
T	Supporting element of steel, textile or plastic
Y	Jacket or protective cover of polyvinyl chloride (PVC)
2Y	Jacket or protective cover of polyethylene (PE)
4Y	Jacket or protective cover of polyamide (PA)
(ZM)	Metallic anti-buckling and strength members in the jacket
(ZN)	Non-metallic anti-buckling and strength members
(...ZN)	Number of non-metallic anti-buckling and strength members in the jacket
V	Tight-buffer
VDE	Association of German Electrical engineers

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