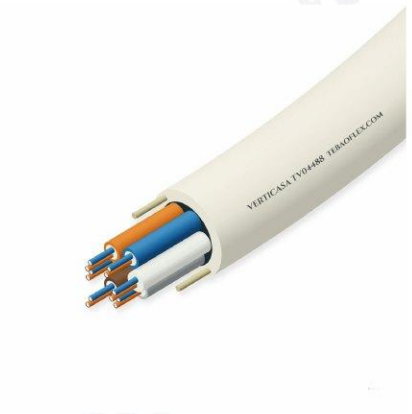
ITU-T G.657.A2 FTTX-RISER Retractable Drop Fiber

FTTX-RISER Retractable Drop Fiber

Easy-Strip Retractable Micromodule Indoor Vertical Riser Fiber

ITU-T G.657.A2 / IEC 60794-2-20 · All-Dielectric Optical · −10…+60 °C industrial



ITU-T G.657.A2 / IEC 60794-2-20 | All-Dielectric Optical | −10…+60 °C

Application

Easy-Strip Retractable Micromodule Indoor Vertical Riser Fiber Optic Cable (FTTX-RISER Retractable Drop Fiber) engineered to ITU-T G.657.A2 / IEC 60794-2-20 for All-Dielectric Optical service across −10…+60 °C, featuring polymeric micromodule and lsoh

Typical uses: Commercial & Residential Building Distribution, Data Centers & Public Infrastructure, Fire-Safe Evacuation & Riser Shafts, Industrial Plant Balance-of-Plant Wiring

Construction





Cross-section, not to scale

1	Polymeric micromodule	ITU-T G.657.A2 / IEC 60794-2-20
2	LSOH outer sheath with embedded GRP rods core insulation	ITU-T G.657.A2 / IEC 60794-2-20

Technical data

Typical values

Rated voltage / duty	All-Dielectric Optical (ITU-T G.657.A2 / IEC 60794-2-20)	**Conductor construction**	Polymeric micromodule — Polymeric micromodule assembly per ITU-T G.657.A2 / IEC 60794-2-20
Primary insulation / dielectric	LSOH outer sheath with embedded GRP rods core insulation — Extruded LSOH outer sheath with embedded GRP rods dielectric (continuous layer)	**Continuous operating temperature**	−10…+60 °C per ITU-T G.657.A2 / IEC 60794-2-20
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s adiabatic limit depending on dielectric class)	**Minimum installation temperature**	−5 °C (thermoplastic) / −25 °C (cross-linked or elastomer) / −40 °C (metallic)
Outer protection / covering	LSOH outer sheath with embedded GRP rods core insulation — Extruded LSOH outer sheath with embedded GRP rods dielectric (continuous layer)	**Minimum bending radius**	10 × OD (installed / static routing)
Layer count & geometry	2 concentric/structural layers verified by cross-section inspection	**Environmental & chemical durability**	Engineered for industrial service in accordance with ITU-T G.657.A2 / IEC 60794-2-20
RoHS & REACH compliance	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant	**Standards**	ITU-T G.657.A2 / IEC 60794-2-20

Sizes

12 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Configuration	Outer Ø ≈ mm	Weight ≈ kg/km	Min. bend R fixed mm
FTTX-RISER Retractable Drop Fiber Standard Construction Schedule (All-Dielectric Optical · −10…+60 °C) 12 sizes				
☐ FTTX-RISER Retractable Drop Fiber 1×2×0.5	1×2×0.5 mm²	6.4	58	52
☐ FTTX-RISER Retractable Drop Fiber 2×2×0.5	2×2×0.5 mm²	9.2	112	74
☐ FTTX-RISER Retractable Drop Fiber 4×2×0.5	4×2×0.5 mm²	11.4	176	92
☐ FTTX-RISER Retractable Drop Fiber 8×2×0.5	8×2×0.5 mm²	14.8	295	118
☐ FTTX-RISER Retractable Drop Fiber 12×2×0.5	12×2×0.5 mm²	17.6	420	141
☐ FTTX-RISER Retractable Drop Fiber 1×2×1.0	1×2×1.0 mm²	7.6	86	61
☐ FTTX-RISER Retractable Drop Fiber 2×2×1.0	2×2×1.0 mm²	11.0	168	88
☐ FTTX-RISER Retractable Drop Fiber 4×2×1.0	4×2×1.0 mm²	13.5	264	108
☐ FTTX-RISER Retractable Drop Fiber 8×2×1.0	8×2×1.0 mm²	17.9	465	143
☐ FTTX-RISER Retractable Drop Fiber 1×2×1.5	1×2×1.5 mm²	8.5	114	68
☐ FTTX-RISER Retractable Drop Fiber 4×2×1.5	4×2×1.5 mm²	15.2	348	122
☐ FTTX-RISER Retractable Drop Fiber 12×2×1.5	12×2×1.5 mm²	23.4	860	187

– Additional pair/triad/quad counts (up to 48 pairs) and blue Ex-i intrinsically safe outer sheaths available per ITU-T G.657.A2 / IEC 60794-2-20.

Electrical parameters by conductor cross-section

5 sizes

Conductor size	Max. DC R_{20} Ω/km	Mutual cap. ≈ nF/km	Inductance ≈ mH/km
0.50 mm² (7/0.30 mm · AWG 20)	39.00	115	0.65
0.75 mm² (7/0.37 mm · AWG 18)	26.00	120	0.62
1.00 mm² (7/0.43 mm · AWG 17)	19.50	125	0.60
1.50 mm² (7/0.53 mm · AWG 16)	13.30	135	0.58
2.50 mm² (7/0.67 mm · AWG 14)	7.98	145	0.55

– L/R ratio ≤ 25 µH/Ω (0.5–1.0 mm²) and ≤ 40 µH/Ω (1.5 mm²) for intrinsically safe Ex-i circuits.

Standards and approvals

- ITU-T G.657.A2 Compliant
- EN 10204 3.1 Routine Test Certificate
- CE, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

Web
tebaoflex.com/cables/fttx-riser-retractable-micromodule-indoor-vertical-fiber-cable

Typical values for this cable type, based on ITU-T G.657.A2 / IEC 60794-2-20. Values for your order are confirmed in the quotation. Subject to change without notice.
Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.