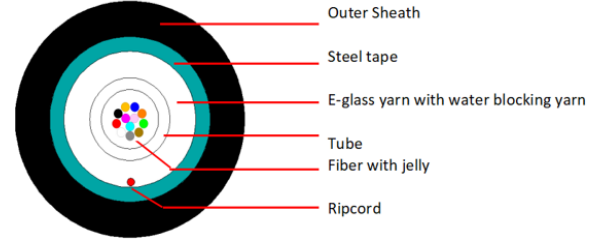


STEEL ARMoured EXTERNAL 2-24 CORE SINGLE LOOSE TUBE SINGLE-CORE FIBRE OPTIC CABLES



Product Overview

AGER Fiber Optic cables are specially designed fiber optic cables for high-speed voice, image and data transmission in local area networks (LAN). All SLT type cables in the series are manufactured to high quality standards and undergo multi-stage testing processes to ensure maximum reliability and performance. This rigorous production and testing process also ensures that the cables are fully compliant with international standards. They exceed the performance requirements specified by TIA/EIA and IEC standards. This design provides full protection against harsh industrial conditions, outdoor challenges, and rodent threats. The stripping wire located immediately below the steel armour allows for easy removal of both the armour and the outer jacket. The product is available in Multimode 50/125 micron (OM2, OM3, OM4), 62.5/125 micron, or Singlemode fibre options. All details are specified in the 'Fibre Options' table.

Supported Standards

- AGER Fiber Optic Cables support IEEE 802.3z standards for Gigabit Ethernet.
- Supports the 1000BASE-SX (Short Wavelength Gigabit Ethernet) standard.
- Supports the 1000BASE-LX (Long Wavelength Gigabit Ethernet) standard.
- Additionally, it provides high-speed and uninterrupted data transmission in IEEE 802.3ae-compliant 10GBASE-SR/SW and 10GBASE-LX4 (10 Gigabit Ethernet) protocols.

Supported Protocols - Approvals

- ANSI/TIA-568.3-E
- ISO/IEC 11801 (2nd Edition)
- IEC 60754
- IEC 60793
- IEC 60794
- IEC 60332-1 (for LSOH constructions)
- EIA/TIA-455
- CENELEC EN 50173

Product Shipping Information

PRODUCT SHIPPING INFORMATION	
Product Code	Product Description
AFKXX-3YY-LT1-PB	PE SLT Paslanmaz Çelik Zırhlı Outdoor FO Kablo

XX Core Sayısı (4 - 24)
YY Core Tipi (OS1, OS2, OM2, OM3, OM4, OM5)

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Product Code Diagram

PRODUCT CODE DIAGRAM	
PRODUCT CLASS	AF FIBER CABLING
PRODUCT TYPE	K CABLE
CORE COUNT	4-4, 8-8, 12-12, 24-24, 48-48, 96-96
PROTECTION	1.INDOOR 2.IN/OUT 3.OUTDOOR SJ 4.OUTDOOR DJ
CATEGORY	S1: SM G.552D S3: SM G657 A1 M1: MM OM1 M3: MM OM3 M5: MM OM5 S2: SM G655E S4: SM G57 A2 M2: MM OM2 M4: MM OM4
TYPE	LT: LOOSE TUBE TIBE: TIGH BUFFER BK: BREAKOUT
TUBE	1: SLT 2:MLT
CATEGORY	P:PE L:LSZH-1 L3: LSZH-3 D:DCA C:CCA B:B2CA
COLOR	GR: GREY BL:BLUE OR:ORANGE RD: RED B: BLACK YL:YELLOW WH:WHITE PU:PURPLE

Cable Specifications and Mechanical Properties

CABLE SPECIFICATIONS	
FIBER PROPERTIES	Selectable from the Fiber Options table.
FIBER COUNT	2 - 24 CORE
ARMOR TYPE	CSA (Corrugated Steel Armored) Corrugated Steel Armor
ADDITIONAL STRENGTHENING	Aramid yarn or fiberglass material
WATER BLOCKING	Gel-Filled
OUTER SHEATH	PE COATING, UV RESISTANT
COLOR	BLACK RAL 9005
JACKET TEXT INFORMATION	PRODUCT CODE, DESCRIPTION, STANDARDS, LOT NUMBER, MEASUREMENT INFORMATION
CABLE OUTER DIAMETER	7.5mm±0.5mm
OPERATING - STORAGE TEMPERATURE	-40 to +70C
INSTALLATION TEMPERATURE	-20 to +60C
MECHANICAL PROPERTIES	
STRESS PERFORMANCE	
Short term (during installation):	1190 N – Compliant with IEC 60794-1-E1 standards
Long term (during use):	600 N – Compliant with IEC 60794-1-E1 standards
BENDING RADIUS REQUIREMENTS	
During installation:	Minimum 20 × cable diameter (IEC 60794-1-E11)
During continuous use:	Minimum 10 × cable diameter (IEC 60794-1-E11)
MECHANICAL STRENGTH	
Compression Resistance:	2500 N – IEC 60794-1-E3
Impact Resistance:	10 Joule (5 impacts) – IEC 60794-1-E4
ENVIRONMENTAL RESISTANCE	
Operating Temperature:	Between -20°C and +70°C (IEC 60794-1-F1)
Bending Flexibility:	Minimum 20 × cable diameter (IEC 60794-1-E6)