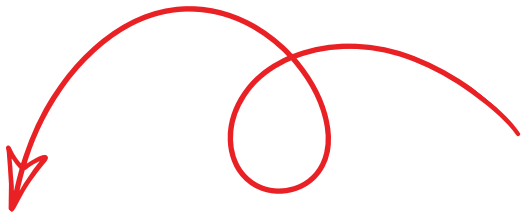


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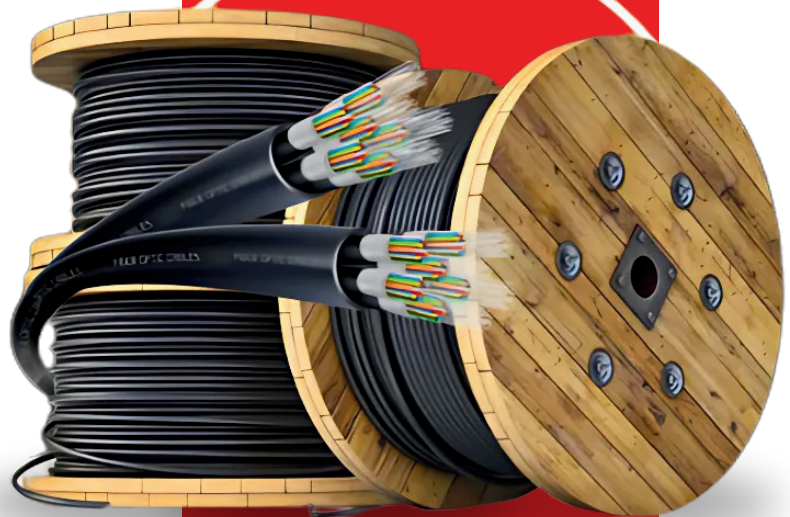
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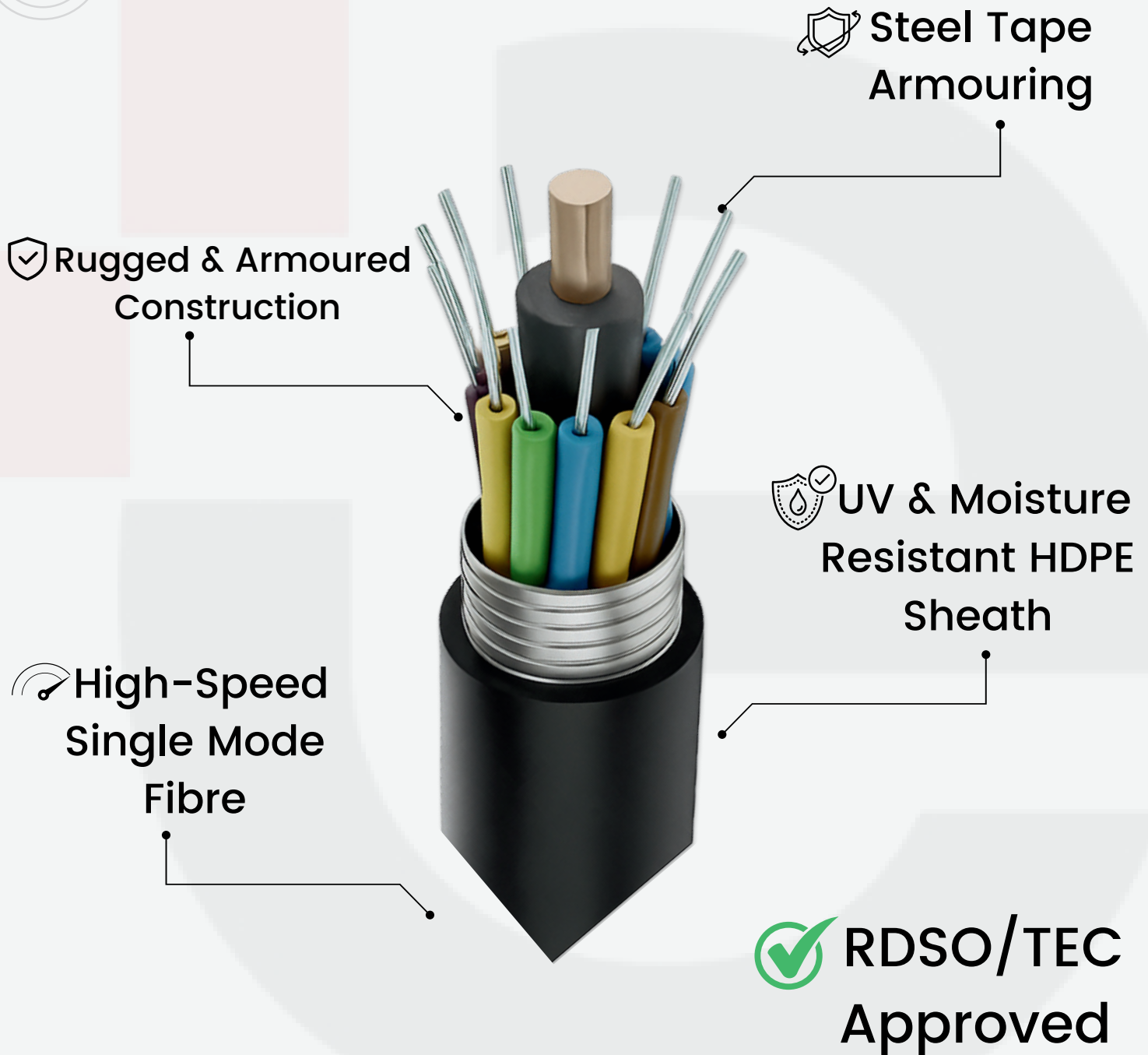
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key features



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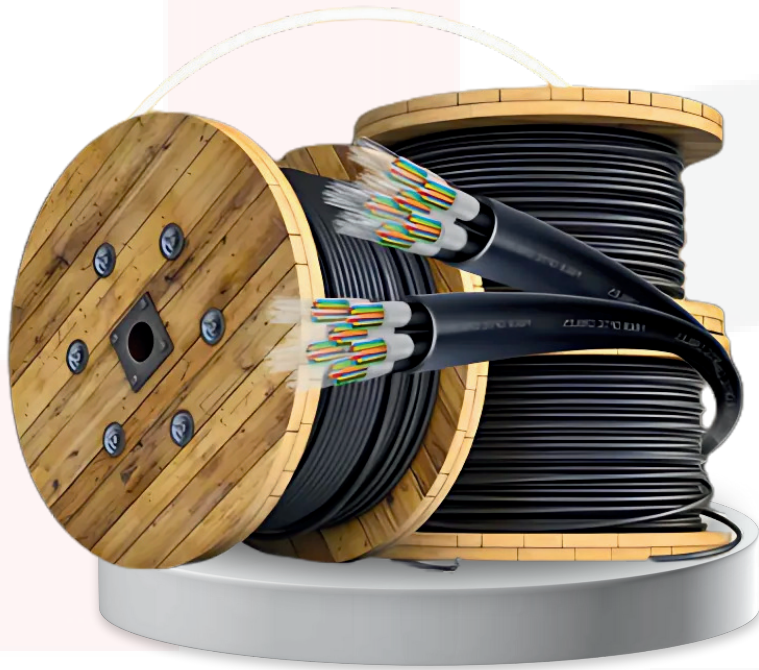
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OFC OVERVIEW



Optical fibre cables use strands of glass (or plastic) to transmit data via light pulses offering ultra-high bandwidth, low latency, and immunity to electromagnetic interference. They're far superior to copper cables for long-distance, high-speed, and harsh environment applications.

WHY CHOOSE ECOMTELCO OFC?

KEY FEATURES:

- ▶▶ Central Strength Member (FRP/Steel Rod)
- ▶▶ Gel-Filled Buffer Tubes Heavy-Duty Construction
- ▶▶ Enhanced Airflow for Heat Management
- ▶▶ Precise Core Identification
- ▶▶ Suitable for Diverse Installations
- ▶▶ Superior Performance, Always
- ▶▶ Built for Tough Environments
- ▶▶ Assured Compliance & Certification
- ▶▶ Competitive Pricing with Bulk Deals

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6CORE OFC

This 6F OFC RDSO-approved optical fiber cable on best price is designed for underground telecom and railway signaling applications. Built with single-mode ITU-T G.652D fibers and protected by corrugated steel tape armor, it ensures high durability in harsh environments. The cable complies with RDSO/SPN/TC/50-2007 Rev.5.0, making it ideal for short to medium-distance communication routes where limited fiber count is required.

HIGHLIGHTS:

- Armoured, weather-resistant construction for rugged environments
- G.652D single-mode fibre for ultra-low loss, long-distance transmission
- UV and moisture-resistant HDPE jacket for outdoor reliability
- Ideal for telecom, railways, smart cities, and backbone networks
- RDSO/TEC approved – trusted in government and industrial applications

OFC PERFORMANCE:

MECHANICAL	ENVIRONMENTAL
Max. Tensile Strength 2.5 × W	Temp. Performance
Minimum Bend Radius Short Term: 10×D Long Term: 20×D	Installation -20°C to +70°C
Crush Resistance 3000 N / 10cm (typical)	Service -20°C to +70°C
Impact Strength 20 Nm (typical)	Storage -20°C to +70°C
Torsion ±180°	UV Resistance Yes (HDPE Outer Sheath)

**HDPE OUTER SHEATH
BLACK (AT)**

**HDPE INNER SHEATH
BLACK**

FLOODING JELLY

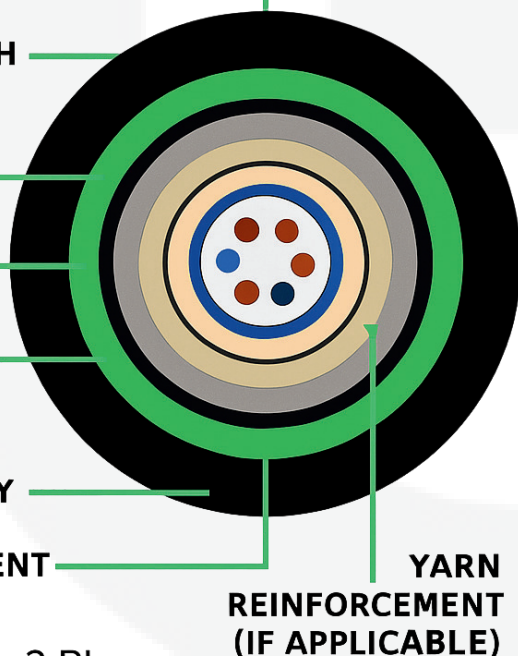
RIPCORD(s)

**CORRUGATED
SS TAPE 42 mm
approx.)**

1 LOOSE TUBE ONLY

**YARN REINFORCEMENT
(IF APPLICABLE)**

Inner-1100 dTex x 3 Ply
Outer-2200 dTex x 3 Ply



**YARN
REINFORCEMENT
(IF APPLICABLE)**

KEY SPECIFICATIONS:

- Type: 24 Core Metallic Armoured OFC
- Fibre Standard: Single Mode (G.652D)
- Core Identification: Colour-coded for easy splicing
- Armouring: Corrugated Steel Tape Armour
- Sheath: UV-resistant HDPE Outer Jacket
- Moisture Protection: Gel-filled loose tubes
- Installation Type: Direct Burial, Aerial, Duct
- Operating Temp Range: -20°C to +70°C
- Compliances: RDSO/TEC Approved
- Brand: Usha Martin
- Colour: Black
- Weight: Approx. 210–250 kg/km

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12CORE OFC

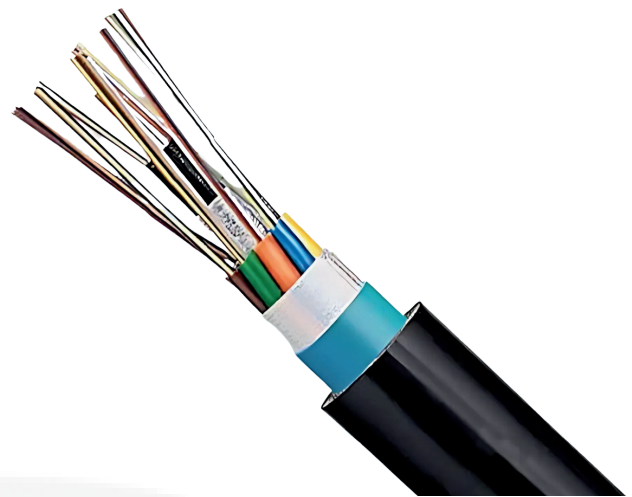
This 12-core ofc cable RDSO-approved OFC (optical fiber cable) on best price is engineered for robust and reliable telecom and railway infrastructure. Featuring ITU-T G.652D compliant single-mode fibers, steel tape armor, and HDPE sheathing, it offers exceptional mechanical strength. Approved under RDSO/SPN/TC/50-2007 Rev.5.0, it's ideal for underground installations in mid-scale signaling or network deployments.

HIGHLIGHTS:

- Strong armoured construction for underground and harsh environments
- 12 colour-coded G.652D single-mode fibres for quick identification and splicing
- Ideal for telecom backbones, FTTH networks, and railway signaling infrastructure
- Weather, rodent, and UV resistant – built for long-term reliability
- Lightweight, flexible, and RDSO/TEC certified for mission-critical applications

KEY SPECIFICATIONS:

- Fibre Count: 12 Core
- Fibre Type: Single Mode (G.652D)
- Structure: Loose tube gel-filled construction
- Armouring: Corrugated Steel Tape Armour
- Sheathing: UV & moisture-resistant HDPE outer jacket
- Installation Type: Direct Burial / Underground Ducts / Aerial Lashing
- Operating Temperature: -20°C to +70°C
- Water Blocking: Jelly-filled for enhanced moisture resistance
- Core Identification: Colour-coded for easy handling and splicing
- Standard Compliance: RDSO / TEC Certified
- Color: Black
- Weight: Approx. 150–180 kg/km



OFC PERFORMANCE:

MECHANICAL	ENVIRONMENTAL
Max. Tensile Strength 2.5 × W	Temp. Performance
Minimum Bend Radius Short Term: 10×D Long Term: 20×D	Installation -20°C to +70°C
Crush Resistance 3500 N / 10cm (typical)	Service -20°C to +70°C
Impact Strength 22 Nm (typical)	Storage -20°C to +70°C
Torsion ±180°	UV Resistance Yes (HDPE Outer Sheath)

CONSTRUCTIONAL DETAILS

HDPE OUTER SHEATH
BLACK (AT)

HDPE INNER SHEATH
BLACK

PLOYSTER TAPE
30 mm approx

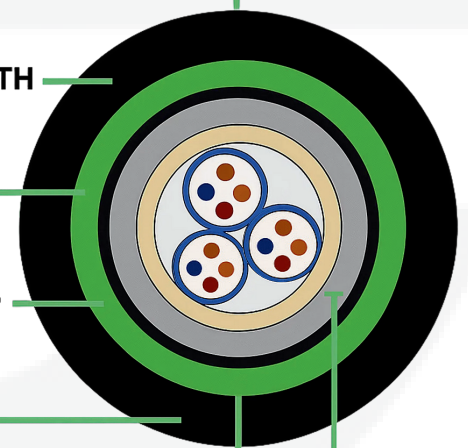
CORRUGATED SS TP
42 mm approx

RIPICORD(s)

CENTRAL STRENGTH MEMBER

Inner–1100 dTex x 3 Ply
Outer–2200 dTex x 3 Ply

CENTRAL STRENGTH MEMB
(FRP OR STEEL ROD)
CENTRAL STRENGTH MEMBER



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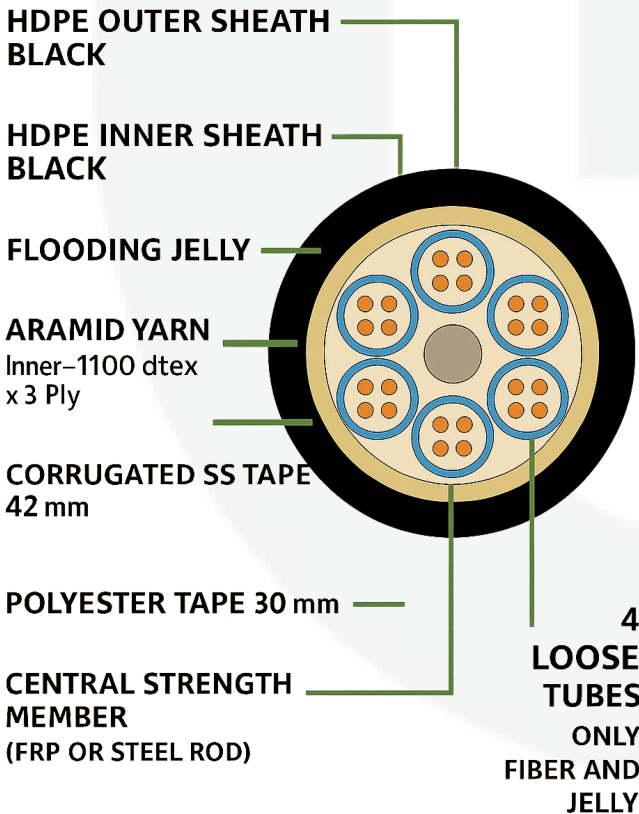
24CORE OFC

Durable, high-performance OFC with 24 G.652D single-mode fibres, steel tape armour, and UV-resistant HDPE sheath. Built as per IRS:TC 55-2006 Rev.1 & RDSO/SPN/TC/110/2020 standards, ideal for telecom, railway signaling, and broadband backbone networks. Supports long-distance, low-loss transmission — perfect for underground and direct burial applications.

HIGHLIGHTS:

- Heavy-duty armoured construction for extra durability in rough environments
- 24 colour-coded G.652D fibres for efficient splicing & network organization
- Superior long-distance signal performance with ultra-low attenuation
- Fully protected against UV rays, rodents, moisture & mechanical impact
- Perfect for telecom, metro rail, smart city, and mission-critical infrastructure

CONSTRUCTIONAL DETAILS



OFC PERFORMANCE:

MECHANICAL	ENVIRONMENTAL
Max. Tensile Strength 2.5 × W	Temp. Performance
Minimum Bend Radius Short Term: 10×D Long Term: 20×D	Installation -20°C to +70°C
Crush Resistance 4000 N / 10cm (typical)	Service -20°C to +70°C
Impact Strength 25 Nm (typical)	Storage -20°C to +70°C
Torsion ±180°	UV Resistance Yes (HDPE Outer Sheath)

KEY SPECIFICATIONS:

- Type: 24 Core Metallic Armoured OFC
- Fibre Standard: Single Mode (G.652D)
- Core Identification: Colour-coded for easy splicing
- Armouring: Corrugated Steel Tape Armour
- Sheath: UV-resistant HDPE Outer Jacket
- Moisture Protection: Gel-filled loose tubes
- Installation Type: Direct Burial, Aerial, Duct
- Operating Temp Range: -20°C to +70°C
- Compliances: RDSO/TEC Approved
- Brand: Usha Martin
- Colour: Black
- Weight: Approx. 210–250 kg/km

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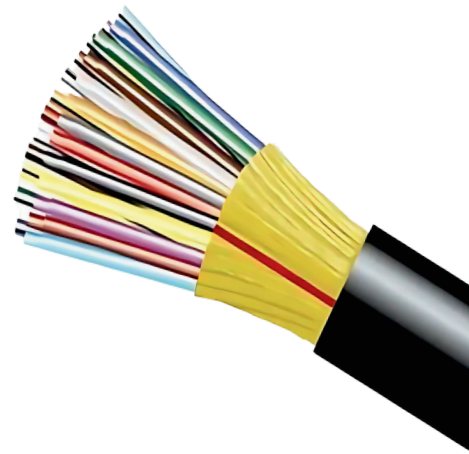


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48CORE OFC



This 48-core OFC RDSO-approved optical fiber cable with best price is built for high-capacity communication networks in railways and telecom. Featuring single-mode fibers compliant with ITU-T G.652D and armored with steel tape, it meets IRS:TC 55-2006 Rev.1 and RDSO/SPN/TC/110/2020 Rev.0. Ideal for long-distance underground deployment, it offers unmatched reliability, low attenuation, and mechanical strength.

HIGHLIGHTS:

- High-capacity 48-core fibre ideal for dense backbone infrastructure
- Armoured with corrugated steel tape for rodent & crush resistance
- Supports ultra-low loss, long-distance data transmission
- Designed for harsh outdoor conditions — UV, water, and dust resistant
- Ideal for telecom, metro rail, smart city, and high-load data networks

OFC PERFORMANCE:

MECHANICAL	ENVIRONMENTAL
Max. Tensile Strength 2.5 × W	Temp. Performance
Minimum Bend Radius Short Term: 10×D Long Term: 20×D	Installation -20°C to +70°C
Crush Resistance 4000 N / 10cm (typical)	Service -20°C to +70°C
Impact Strength 25 Nm (typical)	Storage -20°C to +70°C
Torsion ±180°	UV Resistance Yes (HDPE Outer Sheath)

KEY SPECIFICATIONS:

- Fibre Count: 48 Core
- Fibre Type: Single Mode G.652D
- Construction: Jelly-filled loose tube design
- Armouring: Corrugated Steel Tape Armour
- Outer Sheath: HDPE – UV, moisture, and impact resistant
- Colour Coding: 12 standard colours repeated across fibres
- Moisture Protection: Jelly-filling ensures water blocking
- Installation Type: Suitable for Direct Burial / Underground Duct / Aerial
- Operating Temperature: -20°C to +70°C
- Compliance: RDSO / TEC Certified
- Colour: Black
- Weight: Approx. 280–320 kg/km

**HNPE OUTER SHEATH
BLACK**

**HDPE INNER SHEATH
BLACK**

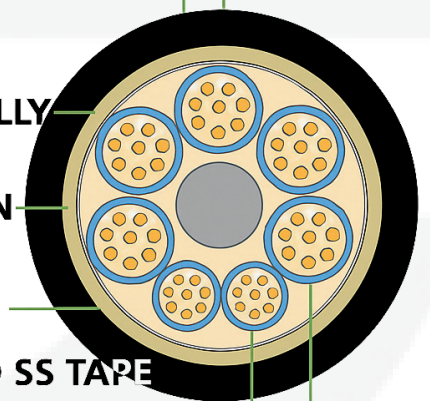
FLOODING JELLY

ARAMID YARN
Inner-1100 dtex
x 3 Ply

CORRUGATED SS TAPE
42 mm

**CENTRAL STRENGTH
MEMBER**
(FRP OR STEEL ROD)

**48
LOOSE
TUBES
ONLY
FIBER AND
JELLY**



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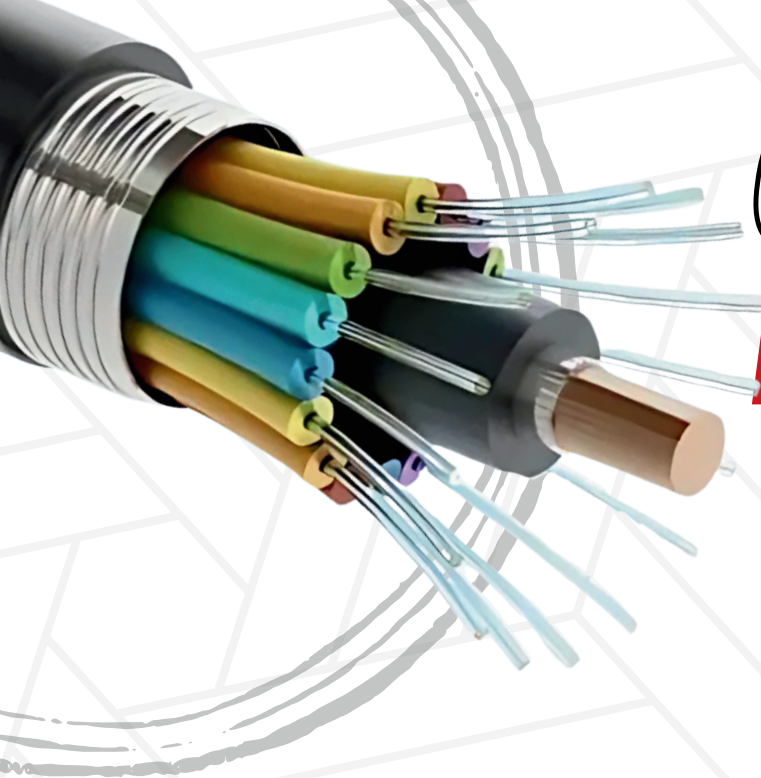
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OFC BIG SALE

ONLY ON THIS MONTH

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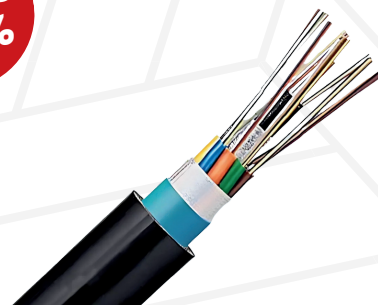
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**UP TO
50%**



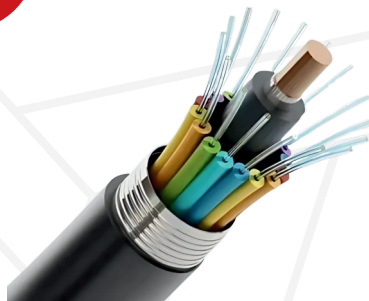
6CORE OFC

**UP TO
50%**



12CORE OFC

**UP TO
50%**



24CORE OFC

**UP TO
50%**



48CORE OFC

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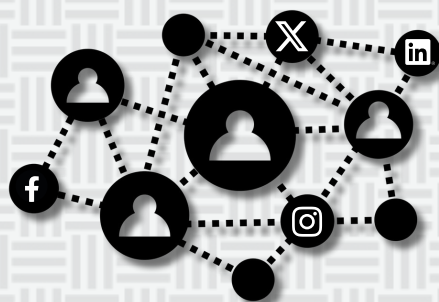
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MORE DETAILS

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