

National Petroleum Company Needs, 40 Km Fiber Cable Double Jacket Steel Tape Armored Cables are designed for direct burial to Extended with gas pipeline for monitoring purposes.

| # | | Comply | Not Comply | Notes |
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| 1 | ARMOR-LITE OSP DJ-ST Armored Fiber Cable Double Jacket Steel G.652 D Comply G.657 A1, 24Core. | | | |
| 2 | key feature for Cable: - <ol style="list-style-type: none"> Water Blocking: Buffer tubes contain water-blocking gel, and the cable core is surrounded by water-swellaable tape to prevent water ingress. Steel Tape Armor: Provides rodent protection and improved crush and impact resistance. Thermoplastic Jacket: Easily removable, rugged, and installation friendly. Tensile and Crush Resistance: High tensile and crush resistance. | | | |
| Physical Characteristics | | | | |
| 3 | <ol style="list-style-type: none"> Maximum Cabled Attenuation: 1310nm: 0.35 dB/km 1550nm: 0.21 dB/km PMD LDV: ≤ 0.1 ps/sqrt.km Fibers per Tube: 12 Fiber Color Sequence: Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua Central Strength Member: Fiber Reinforced Plastic (FRP) Inner Sheath Material: Black Polyethylene Metallic Armoring: Corrugated Steel Tape Outer Sheath Material: UV Proof Black Polyethylene | | | |
| Optical Characteristics | | | | |
| 4 | <ol style="list-style-type: none"> Mode Field Diameter: 1310nm: $9.1 \pm 0.4 \mu\text{m}$ 1550nm: $10.3 \pm 0.5 \mu\text{m}$ Cladding Diameter: $125 \pm 0.7 \mu\text{m}$ Coating Diameter: $242 \pm 5 \mu\text{m}$ Cutoff Wavelength: $\leq 1260 \text{ nm}$ Chromatic Dispersion: 1285-1330nm: $3.5 \text{ ps}/(\text{nm} \times \text{km})$ | | | |

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| | 1550nm: 17.5 ps/(nm x km) 6. Macro Bend Loss: 1 turn at 10mm radius: <0.5dB @1550nm & <1.5 dB@1625nm 10 turns at 15mm radius: <0.1dB @1550nm & <0.3 dB@1625nm | | | |
| Cable Characteristics | | | | |
| 5 | 1. Cable Diameter: Ranges from 13.8 mm to 20.2 mm 2. Cable Weight: Ranges from 170 kg/km to 330 kg/km 3. Max. Tensile Strength: Ranges from 2000 N to 3500 N | | | |
| | Mechanical & Environmental Characteristics Tensile Strength: As per IEC-60794-1-21-E1 Crush Resistance: 3000 N/100 mm Impact Strength: 5 Nm Torsion: $\pm 180^\circ$ Min. Bend Radius: During Installation: 20 D After Installation: 15 D Water Penetration Test: 1m waterhead, 3m samples, 24 h Temperature Performance: Installation: -10°C to +60°C Operation: -40°C to +70°C Storage: -40°C to +70°C | | | |

Notes: -

- Printing "N.P.C" + Default print
- Please provide cable prices per kilometer, delivered to Al-Risha warehouses & Aqaba Port
- Payment Terms: COD
- Offer Validity: 60 days.

- The offer should include Sample of fiber cable otherwise the offer is rejected.
- Supply history records.
- Marking manufacture name, NPC Name, Sequential meter marking, year of manufacture, cable type

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