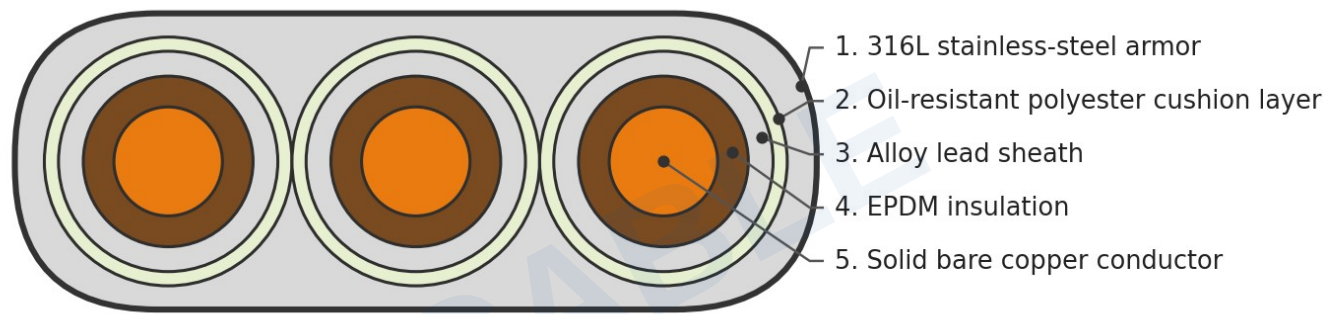


ESP Power Cable - QYEQX 3 × 16 mm² (#5)

3 kV | 150°C | 316L stainless-steel continuous armor | Flat configuration



Maximum overall dimensions: 14.0 mm × 36.2 mm

General Requirements

Item	Specification
Cable model	QYEQX
Rated voltage	3 kV
Configuration	3 × 16 mm² (#5), flat construction
Long-term operating temperature	150°C
Reference standard	GB/T 16750-2015
Service characteristics	Oil-, heat- and corrosion-resistant ESP power cable

Construction

Component	Material / Construction	Dimension
Conductor	Solid bare copper conductor	Nominal diameter 4.62 ± 0.04 mm
Insulation	EPDM	Nominal thickness 1.90 mm; minimum 1.71 mm; OD 8.42 mm ±3%
Protective sheath	Alloy lead sheath	Nominal thickness 1.00 mm; minimum 0.80 mm; OD 10.42 mm ±3%
Cushion layer	Oil-resistant polyester-fiber tape wrapping	-
Armor	316L stainless-steel continuous interlocked tape armor	Nominal tape thickness 0.50 mm
Overall dimensions	Flat finished cable	≤ 14.0 mm × 36.2 mm

Electrical Performance

Property	Requirement
Maximum DC conductor resistance at 20°C	1.15 Ω/km
Conductor resistance unbalance	≤ 2%
Insulation resistance at 15.6°C	1,400 MΩ·km
Maximum leakage current at 15.6°C	11.48 μA/km
DC withstand test	27 kV for 5 min, no breakdown

Technical values are translated from the supplied Chinese specification. Final product construction, material certificates, cable length and termination/interface details are subject to the approved order specification.

