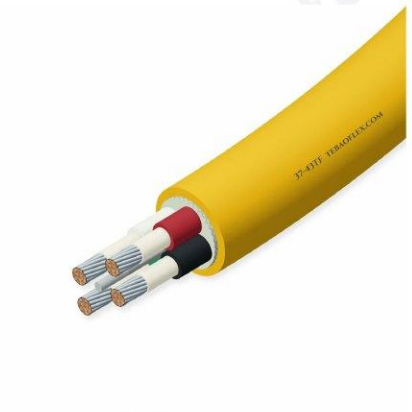
MSHA 2000 V dynamic mine hoist sheave power & control cable

37-43TF

2000 V MSHA Dynamic Mine Hoist Sheave Cable

ICEA S-75-381 / NEMA WC 58 · 2000 V · Dynamic mine shaft hoist sheave power cable

ICEA S-75-381 / MSHA | **2000 V Hoist Sheave** | **Lubricated 259-Strand Cu**



Application

37-43TF 2000 V MSHA-approved dynamic vertical hanging and sheave-bending power/control cable per ICEA S-75-381 for mine shaft hoists and skip cages, featuring lubricated 259-strand tinned copper cores, 90 °C EPR insulation and yellow EHD CPE jacket.

Typical uses: Underground Coal & Hard-Rock Mining, Open-Cast Excavators, Draglines & Shovels, Vertical Mine Shafts, Hoists & Boreholes, Tunneling, Mineral Processing & Slurry Plants

Construction





Cross-section, not to scale

1. Serrated Lubricated Conductors (4×2 AWG)
2. Low-Friction Separator & Central Filler
3. 90 °C EP Insulation (Red/White/Grn/Blk)
4. Anti-Torsion Reinforcement
5. Matched-OD Yellow EHD CPE Jacket

Technical data

Typical values

Rated voltage / transmission duty	2000 V (ICEA S-75-381 / NEMA WC 58 / MSHA)	**Core / conductor construction**	Serrated Lubricated Conductors (4×2 AWG) — 259-strand internally lubricated extra-flexible tinned copper
Primary dielectric / buffering	Low-Friction Separator & Central Filler — Opaque non-adhering conductor separator + central grey stabilizer core	**Continuous operating temperature**	-40 to +90 °C (mining & industrial service)
Short-circuit / peak thermal rating	Verified thermal stability per ICEA S-75-381 / NEMA WC 58 / MSHA	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	Matched-OD Yellow EHD CPE Jacket — Mold-cured yellow EHD CPE jacket bonded against vertical core slippage	**Minimum bending radius**	6 × OD
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per ICEA S-75-381 / NEMA WC 58 / MSHA	**Flame retardancy & mine fire safety**	Self-extinguishing / flame-retardant mining jacket per ICEA S-75-381 / NEMA WC 58 / MSHA
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per ICEA S-75-381 / NEMA WC 58 / MSHA	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	ICEA S-75-381 / NEMA WC 58 / MSHA		

Sizes

3 standard constructions

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

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
37-43TF Construction Schedule (-40 to +90 °C) 3 sizes						
☐ **37-43TF 2000 V 4×4 AWG Hoist Sheave**	**4 × 4 AWG (Red-White-Green-Black)**	**259-strand lubricated SnCu**	**34.0**	**1,820**	**16.8**	**205**
☐ **37-43TF 2000 V 4×2 AWG Hoist Sheave**	**4 × 2 AWG (Red-White-Green-Black)**	**259-strand lubricated SnCu**	**38.6**	**2,540**	**26.8**	**230**
☐ **37-43TF 2000 V 4×1/0 AWG Hoist Sheave**	**4 × 1/0 AWG (Red-White-Green-Black)**	**259-strand lubricated SnCu**	**46.2**	**3,790**	**42.6**	**275**

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per ICEA S-75-381 / NEMA WC 58 / MSHA.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
4 × 4 AWG (Red-White-Green-Black)	**0.86**	**2000 V (122 A)**	**-40 to +90 °C**
4 × 2 AWG (Red-White-Green-Black)	**0.55**	**2000 V (159 A)**	**-40 to +90 °C**
4 × 1/0 AWG (Red-White-Green-Black)	**0.34**	**2000 V (211 A)**	**-40 to +90 °C**

– Every production length undergoes routine conductor DC resistance, high-voltage Spark/AC dielectric or OTDR continuity and dimensional verification.

Standards and approvals

- ICEA S-75-381 Compliant
- EN 10204 3.1 Factory 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/37-43tf-2kv-msha-dynamic-mine-hoist-sheave-power-control-cable

Typical values for this cable type, based on ICEA S-75-381 / NEMA WC 58 / MSHA. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.