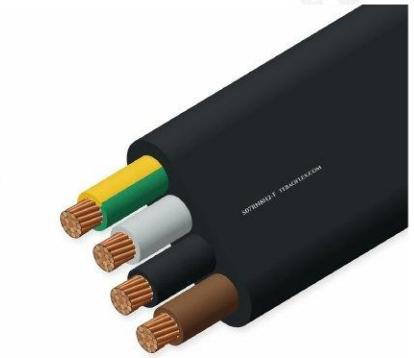
Ex-hazard & wastewater CPE flat submersible pump rubber cable

S07RN8H2-F

450/750 V Ex-Area & Wastewater Flat Submersible Pump Cable

DIN EN 60079 / DIN 4045 · 450/750 V · Ex-hazard & wastewater cpe flat submersible pump



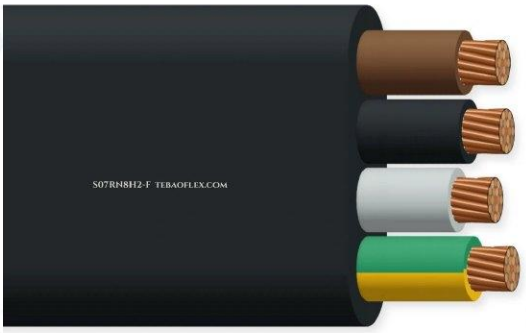
DIN EN 60079 Ex-Hazard | 450/750 V (1,000 V AC) | 500–2,000 m Flat CPE

Application

S07RN8H2-F 450/750 V (Ozone-Resistant AD8) EPR-Insulated CPE-Sheathed Ex-Area & Wastewater Flat Submersible Pump Rubber Cable (DIN EN 60079 / DIN 4045, 450/750 V, -25 to +80 °C, min. bend radius 6 × OD).

Typical uses: Deep-Well Potable Water Pumping, Municipal Sewage & Wastewater Plants, Mine Dewatering & Slurry Dredging, Geothermal, Spa & Pool Installations

Construction





Cross-section, not to scale

1. Parallel Class 5 Bare Copper (Up to 185 mm²)
2. Water-Resistant EPR Core Insulation
3. Oil & Sewage Resistant CPE Flat Sheath

Technical data

Typical values

Rated voltage / transmission duty	450/750 V (DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat)	**Core / conductor construction**	Parallel Class 5 Bare Copper (Up to 185 mm²) — DIN EN 60228 Class 5 flexible plain copper conductors arranged in flat profile
Primary dielectric / buffering	Water-Resistant EPR Core Insulation — Cross-linked ethylene propylene rubber rated for +90 °C conductor / +250 °C short-circuit	**Continuous operating temperature**	−25…+80 °C (subsea, marine & submersible duty)
Short-circuit / peak thermal rating	Verified thermal stability per DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	Oil & Sewage Resistant CPE Flat Sheath — Black chlorinated polyethylene flat jacket (DIN EN 60079 Ex, EN 60811-404, 500–2,000 m)	**Minimum bending radius**	6 × OD
Hydrostatic, tensile & crush duty	Water-Resistant EPR Core Insulation — Cross-linked ethylene propylene rubber rated for +90 °C conductor / +250 °C short-circuit	**Hydrostatic pressure & water blocking**	Engineered for continuous submersion and hydrostatic integrity per DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat
Seawater, oil & chemical resistance	Resistant to seawater hydrolysis, hydraulic oils and abrasion per DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat		

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
S07RN8H2-F Construction Schedule (−25…+80 °C) 3 sizes						
☐ S07RN8H2-F 4G16 mm²	4G16 mm² (3×16 + 1G16)	IEC 60228 Class 5 flexible Cu/SnCu	21.8	840	2.4	130
☐ S07RN8H2-F 4G35 mm²	4G35 mm² (3×35 + 1G16)	IEC 60228 Class 5 flexible Cu/SnCu	28.6	1,620	5.2	172
☐ S07RN8H2-F 3×70 + 3G16 mm²	3 × 70 mm² + 3G16 mm²	IEC 60228 Class 5 flexible Cu/SnCu	38.4	3,180	10.5	230

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
4G16 mm² (3×16 + 1G16)	1.21	450/750 V (94 A submerged)	−25…+80 °C
4G35 mm² (3×35 + 1G16)	0.55	450/750 V (152 A submerged)	−25…+80 °C
3 × 70 mm² + 3G16 mm²	0.27	450/750 V (235 A submerged)	−25…+80 °C

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

Standards and approvals

- DIN EN 60079 / DIN 4045 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/s07rn8h2-f

Typical values for this cable type, based on DIN EN 60079 Ex-Hazard & DIN 4045/4046 Wastewater Flat. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.