Technical data sheet

Power Cable · unshielded

H07RN8-F

Identification

Type	H07RN8-F 4G70
Part No.	1130111404

Product version

Datasheet version	00

Use/Application/Properties

Application	• H07RN8-F is a power cable suitable for permanent installation in water.
Properties	• Silicone free • CFC-free

Construction

Description	4G70
Jacket material	EM2 (rubber)
Jacket color	black RAL 9005
Outer Ø	44.9 mm
Outer Ø	1.76 inch
Tolerance	1 mm
Weight	412.1 kg/100 m
Cu-Index	268.8 kg/100 m

Construction Element 1

Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Fine wire
Conductor marking	single core: black • 2-wire: blue, brown • 3-wire: brown - black - gray (or green/yellow, instead of gray) • 4-wire: blue-brown-black-gray (or green /yellow instead of blue) • 5-wire: black -blue-brown-black-gray (or green/ yellow instead of black) • multicores: black with numbers and green/yellow
Conductor insulation	Elastomeric mixture, EI4 quality
Element shielding	unshielded

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Technical data

Rated voltage U_0/U	450/750 V
Test voltage type	2500 V
Temperature range moving	-25 °C … +60 °C
Temperature range fixed	-40 °C … +85 °C
Minimum bending radius moving	6×D
Minimum bending radius fixed	4×D

Certifications/Standards

Certifications	CEI EN 50525-2-21 CEI 20-107/2-21 CEI 20-19/4 (CENELEC HD 22.4 S4) BS 7919:2001 NF C 32-102-4 VDE 0282-4 CEI EN60332-1-2 (CEI 20-35) BS EN 60332-1-2 NF EN 60332-1-2 DIN EN 60332-1-2
Ozone resistant according to	EN 60811-2-1 CEI EN 50396
Water resistant according to	CEI EN 50525-2-21 Attachements D / E (Up to 10 bar)