



TWISTED UNJACKETED RUBBER INTERNATIONAL STYLE SUBMERSIBLE PUMP CABLE

INSULATION: **ETHYLENE PROPYLENE**

RUBBER (RHW) 1000 VOLTS

JACKET: **HEAVY DUTY COLORED (CPE) 90°C**

SIZES: **25mm² to 240mm², 3 CONDUCTOR W/GROUND**

USE/RHW 12 AWG AND LARGER



1.0 APPLICATIONS:

1.1 This specification covers the construction requirements for submersible pump cable rated at 1000 volts at operating temperatures up to 90°C. Individual conductors are insulated with "RHW" rubber and jacketed with colored CPE, and then twisted together. This cable is also suitable for direct burial UL labeled.

2.0 CONSTRUCTION:

2.1 2 & 3 CONDUCTORS - WITHOUT GROUND

Size	Power Conductor Stranding	Nominal Thickness of Insulation	Nominal Thickness of Jacket	Approx. Diameter After Jacket	Approx. Diameter After Twisted	Approx. Weight
4 x 25mm	180 x 0.4	1.52mm	0.76mm	11.1mm	26.9mm	1192kg/km
4 x 35mm	254 x 0.4	1.52mm	0.76mm	11.8mm	28.6mm	1550kg/km
4 x 50mm	384 x 0.4	2.03mm	1.14mm	15.5mm	37.5mm	2360kg/km
4 x 70mm	514 x 0.4	2.03mm	1.14mm	17.3mm	41.9mm	3160kg/km
4 x 95mm	684 x 0.4	2.03mm	1.14mm	19.4mm	47.0mm	4037kg/km
4 x 120mm	870 x 0.4	2.28mm	1.65mm	22.1mm	53.5mm	5274kg/km
4 x 240mm	1752 x 0.4	2.28mm	1.65mm	27.7mm	67.1mm	9668kg/km

2.2 2 & 3 CONDUCTORS - WITH GROUND

2.3 Conductors:

Annealed flexible stranded bare copper to IEC 60 228.

2.4 Insulation:

UL RHW, 90° C, rubber, conforming to UL standard 44.

2.5 Jacket:

UL heavy duty CPE, colored, conforming to UL standard 44. Optional jacket also available in CFPE Hypalon and Neoprene.

2.6 Color Code:

Jacket colored as follows:
4/C cables: BLACK/YELLOW/RED/GREEN

2.7 Assembly:

Four jacketed conductors are twisted together in a suitable lay.

2.8 Marking:

Ink print jacket surface:
"Size AWG Type USE or Type RHW
1000 Volts Paige Electric Corp. (UL)
Submersible Pump Cable.

2.9 Testing:

Physical and Electrical tests in accordance with the requirements of Underwriters' Laboratories standards 44 for Type USE/RHW Submersible Pump Cables.

"Made exclusively for Paige Electric Company and subject to Paige's high quality standards by Telefonika Cable: Krakow, Poland 30-663 Krakow ul. Wielicka 114".

We're Big in Big pump cable.