

Hydroline™ -HDJ Submersible Pump Cable

Heavy duty / 12 AWG to 500 KCMIL / PVC insulation and jacket / 600 volt



Applications

Hydroline-HDJ™ submersible pump cables are specially designed for rugged applications. The Hydroline-HDP™ jacket material was specially designed for maximum abrasion resistance while retaining good flexibility for use within well casing to supply power to the submersible pump.

Draka's Hydroline pump cables are formulated with RoHS compliant materials. Operating temperature range is between -25° and +75°C. The features listed below are standard items; they may be modified per your request and need. Please contact for details.

Specifications

- UL Type THHN or THWN conforming to UL Standard 83
- RoHS compliant

Construction

CONDUCTOR: Bare annealed copper per ASTM B3, Class C concentrically strand.

INSULATION: Heat and moisture resistant polyvinyl chloride (PVC) sheathed with a clear layer of nylon.

TYPICAL CIRCUIT IDENTIFICATION: Insulation coded in accordance with NEMA WC-57 (black, red, yellow, green).

ASSEMBLY: Insulated circuit and ground conductors are assembled flat and paralleled with an overall polyvinyl chloride (PVC) jacket.

JACKET: Abrasion and moisture resistant polyvinyl chloride (PVC).

SURFACE MARKING: The jacket surface shall be printed or indented with: DRAKA PA HYDROLINE-HDJ SUBMERSIBLE PUMP CABLE "number and size of conductors" THHN/THWN CDRS 600V (UL).

Prysmian Group

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Heavy duty / parallel construction / 12 AWG to 500 KCMIL / PVC insulation and jacket / 600 volt

Part Number	Conductor Number / AWG	Ground AWG	Stranding	Insulation Thickness in (mm)	Nylon Thickness in (mm)	Jacket Thickness in (mm)	Cable Weight Lbs/Mft (Kg/Km)
HDJ12-3G	3 / #12	12	19	.015 (0.38)	.004 (0.10)	.030 (0.76)	125 (186)
HDJ10-3G	3 / #10	10	19	.020 (0.51)	.004 (0.10)	.030 (0.76)	195 (290)
HDJ08-3G	3 / #8	10	19	.030 (0.76)	.005 (0.13)	.030 (0.76)	320 (476)
HDJ06-3G	3 / #6	8	19	.030 (0.76)	.005 (0.13)	.030 (0.76)	460 (684)
HDJ04-3G	3 / #4	8	19	.040 (1.0)	.006 (0.15)	.030 (0.76)	640 (952)
HDJ02-3G	3 / #2	6	19	.040 (1.0)	.006 (0.15)	.030 (0.76)	1025 (1525)
HDJ100-3G	3 / #1/0	6	19	.050 (1.3)	.007 (0.18)	.045 (1.1)	1610 (2396)
HDJ200-3G	3 / #2/0	6	19	.050 (1.3)	.007 (0.18)	.045 (1.1)	1935 (2879)
HDJ400-3G	3 / #4/0	4	19	.050 (1.3)	.007 (0.18)	.045 (1.1)	2925 (4352)
HDJ250-3G	3 / #250	4	37	.060 (1.5)	.008 (0.20)	.065 (1.7)	3550 (5282)
HDJ350-3G	3 / #350	3	37	.060 (1.5)	.008 (0.20)	.065 (1.7)	4765 (7090)

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications

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