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37-119

Portable Power Cable * DLO
2000 Volts * 90 C

*Diesel Locomotive Cable * EP/CPE * RHH, RHW-2*

Application
Tiger Brand 2000 Volt Diesel Locomotive Cable (DLO) is a single-conductor flexible Portable Power Cable suitable for use in industrial applications needing great flexibility, excellent wearability and a good flex life. Applications include locomotive and car equipment, motor and generator leads, battery leads, shipyards, telecommunications power, heavy earth moving equipment, and other heavy duty flexing applications.

Features
A two layer composite of flame retardant, oil and sunlight resistant Chlorinated Polyethylene (CPE) outer layer and Ethylene-Propylene rubber (EPR) inner layer. The composite design provides significant diameter reductions compared to designs using full thickness jackets.

Suitable for continuous operating temperatures of
90 C wet or dry.

Rated RHH, RHW-2; 2/0 - 1000 kcmil listed and marked for CT use

UL Listed as Sunlight Resistant

UL Listed as Shipboard Cable (4/0 and larger) -Special order only

Insulation and Jacket meet hazardous waste regulations, per Code of Federal Regulations 40 Section 261 (40CFR261) for characteristic lead content

Flame Resistance FT-4/IEEE 1202 for 2/0 - 1000 kcmil and UL VW-1

Meets smoke release and other requirements of Vertical Cable Tray Test UL 1685 and is marked LS for 2/0 - 1000 kcmil

Extremely flexible stranding used for increased flexibility and ease of installation

Jackets also available in red, blue, and green.

Ratings & Approvals
ICEA S-68-516/NEMA WC-8:Ethylene Propylene Rubber Insulated Wire & Cable for the Transmission and Distribution of Electrical Energy

UL Standard 1685: Vertical Tray Fire Propagation and Smoke Release Test for Electrical and Optical Fiber Cables, (UL LS)

for Electrical and Optical Fiber Cables. (UL ES)

ICEA S-95-658/NEMA WC-70:Nonshielded Power Cables rated 2000 volts or less for the Distribution of Electrical Energy

UL Standard 44: Thermoset Insulated Wires & Cables, Type RHH, RHW-2.UL VW-1

AAR 591 Wire and Cable Insulating Material: Strand Construction except 3/0 and 4/0

ASTM B-33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes.

ASTM B172: Standard Specification for Rope-Lay-Stranded Copper Conductors having Bunch-Stranded Members, for Electrical Conductors

MSHA P-184

Submit Query

Convert to Metric units

Product Code	Size AWG / kcmil	Number of Wires per Conductor	Insulation Thickness (mils)	Jacket Thickness (mils)	Outside Diameter (inches)	Approx. Weight (lbs/1000ft)	Ampacity - 90 C / 40 C	Ampacity - 90 C / 30 C Ambient
37119201	14	19	0.045	0.015	0.214	31	32	35
37119202	12	19	0.045	0.015	0.233	41	36	40
37119203	10	27	0.045	0.015	0.257	58	50	55
37119204	8	37	0.055	0.030	0.326	86	73	80
37119205	6	61	0.055	0.030	0.365	124	96	105
37119207	4	105	0.055	0.030	0.460	198	127	140
37119209	2	147	0.055	0.030	0.498	261	173	190
37119210	1	224	0.065	0.045	0.618	400	200	220
37119211	1/0	266	0.065	0.045	0.664	468	237	260
37119212	2/0	323	0.065	0.045	0.704	561	273	300
37119213	3/0	418	0.065	0.045	0.789	725	319	350
37119214	4/0	532	0.065	0.045	0.839	888	369	405
37119215	262.6	646	0.075	0.065	0.973	1048	425	467
37119216	313.1	777	0.075	0.065	1.029	1227	475	522
37119217	373.7	925	0.075	0.065	1.094	1436	538	591
37119218	444.4	1110	0.075	0.065	1.169	1691	594	652
37119219	535.3	1332	0.090	0.065	1.295	2034	662	728
37119220	646.4	1591	0.090	0.065	1.368	2395	741	815
37119221	777.7	1924	0.090	0.065	1.488	2837	823	904
37119222	929.2	2318	0.090	0.065	1.583	3448	915	1005
37119223	1111	2745	0.130	0.065	1.707	4156	1019	1119

NOTE :
Cable diameters are subject to a +/- 5% manufacturing tolerance.
Ampacity based on 90 C continuous conductor temperature in 40 C ambient air

Sizes above 1000 kcmil are not recogized by UL for RHH/RHW-2 at 2000 volts.

Ampacity is calculated with a 90 C conductor temperature and 30 C ambient air, per 1999 NEC, Table 310-17