

Flexible Power Cable • DLO

2000 Volts • 90°C

Diesel Locomotive Cable • Limited Smoke (Sizes 2/0 and higher) • EP/CPE • RHH, RHW-2

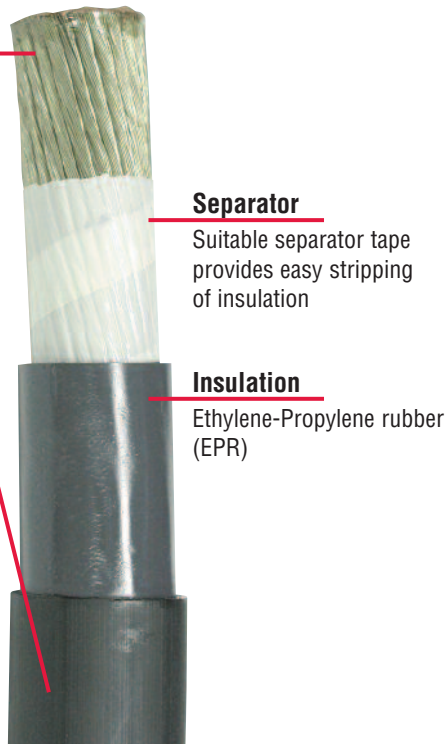
Conductor

Flexible-stranded,
tin-coated annealed
copper

Jacket

Flame retardant,
oil and sunlight
resistant
Chlorinated
Polyethylene (CPE)

See below
for jacket
color options
(Special order)



Separator

Suitable separator tape
provides easy stripping
of insulation

Insulation

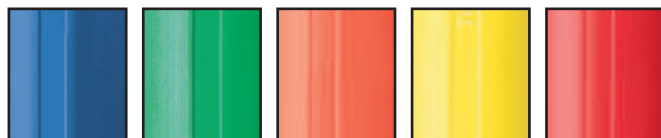
Ethylene-Propylene rubber
(EPR)

Application

Nexans AmerCable's 2000V Diesel Locomotive Cable (DLO) is a single conductor portable power cable suitable for use in applications needing great flexibility, excellent wearability and good flex life. Applications include locomotive and car equipment, motor and generator leads, battery leads, shipyards, telecommunications power, heavy earth moving equipment, renewable energy 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 – 1111 kcmil listed and marked “for CT use”
- UL listed as Sunlight Resistant
- UL listed as Marine 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/IEEE1202 for 2/0 – 1111 kcmil and UL VW-1
- Meets smoke release and other requirements of Vertical Cable Tray Test UL 1685 and is marked “ST-1” for 2/0 – 1111 kcmil
- Extremely flexible stranding used for increased flexibility and ease of installation



Ratings & Approvals

- 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, Types RHH, RHW-2. UL VW-1
- UL Standard 1685: Vertical Tray Fire propagation and Smoke Release Test for Electrical and optical Fiber Cables. (UL,ST-1)
- ASTM B-33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes
- ASTM B-172: Standard Specification for Rope-Lay-Stranded Copper Conductors having Bunch-Stranded Members, for Electrical Conductors
- MSHA P-184
- RoHS Compliant

37-119 • Single Conductor Portable Power Cable • DLO

Part No. 37-119-	Size AWG/kcmil	Minimum Wires per Conductor	Nominal Insulation Thickness in.	Nominal Jacket Thickness in.	Nominal Outside Diameter in.	Approx. Weight lbs. per 1,000 ft.	* Ampacity 90°C
201	14	19	0.045	0.015	0.214	31	35
202	12	19	0.045	0.015	0.233	41	40
203	10	37	0.045	0.015	0.257	58	55
204	8	168	0.055	0.030	0.349	77	80
205	6	61	0.055	0.030	0.365	124	105
207	4	133	0.055	0.030	0.460	203	140
209	2	259	0.055	0.030	0.534	265	190
210	1	224	0.065	0.045	0.623	415	220
211	1/0	266	0.065	0.045	0.668	489	260
212	2/0	323	0.065	0.045	0.689	562	300
213	3/0	418	0.065	0.045	0.771	757	350
214	4/0	532	0.065	0.045	0.822	894	405
215	262	646	0.075	0.065	0.957	1091	467
216	313	777	0.075	0.065	1.008	1245	522
217	373	925	0.075	0.065	1.074	1486	591
218	444	1110	0.075	0.065	1.143	1749	652
219	535	1332	0.090	0.065	1.257	2099	728
220	646	1591	0.090	0.065	1.361	2464	815
221	777	1924	0.090	0.065	1.439	2899	904
222	929	2318	0.090	0.065	1.685	3501	1005
223	1111	2745	0.130	0.065	1.850	4166	1119

* **Ampacity** – Calculated with at 90°C conductor temperature and 30°C ambient air, per 2008 NEC, Table 310.17

• Cable diameters are subject to +/-5% manufacturing tolerance



SAVE TIME

**Order Your DLO Cable with
Factory Installed
Connectors**

SAVE MONEY



Portable Power Cable • Type W Single Conductor • 600-2000 Volts

Motor Lead Cable • 90°C

Conductor

Bunched strands of tinned annealed copper per ASTM B-33

Separator

A suitable separator provides for easy stripping of insulation

Reinforcement

Polypropylene reinforcing braid provides long flex life



Insulation

Ethylene-Propylene rubber (EPR) per ICEA S-95-658, and ASTM D-2802

Jacket

Flame retardant, oil and sunlight resistant Chlorinated Polyethylene (CPE). Black standard. See below for other color options.

Ratings & Approvals

- UL listed as Type W
- ASTM B-33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes
- ASTM D-2802: Standard Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation for Wire and Cable
- ICEA S-95-658/ NEMA WC-70: Nonshielded Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- MSHA P-184 for 6 AWG and above

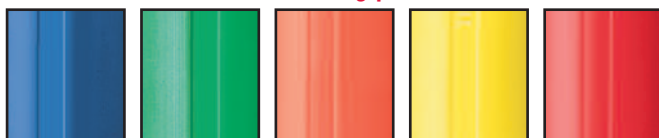
Application

Nexans AmerCable's 600-2000 Volt single-conductor motor-lead cables are recommended for installations where long flex life, great flexibility and wearability are desired. Applications include heavy duty or temporary power supply service, AC or DC, to motor or generators, portable and stationary heavy duty equipment, cranes, conveyors and other mobile equipment. They may be installed in air, in ducts, immersed in water or directly buried in the earth. However, they are not UL Type USE. For cables requiring reduced flame propagation, refer to the factory.

Features

- Suitable for continuous operating temperatures of 90°C
- Suitable for use in festoons, suspended loops and power tracks
- Suitable for use on Payout and Retractable reels (P&R)
- Heavy duty jacket offers excellent protection against abrasion, impact, heat, oil, flame, ozone, alkali and acids.
- Extremely flexible stranding used for increased flexibility and ease of installation
- Dual Rated 600V and 2kV
- Suitable for extra hard usage which enhances performance

Type W CPE jackets are available in highly visible colors without sacrificing performance



37-401 • Single Conductor Portable Power Cable • Type W

Part No. 37-401-	Size AWG/kcmil	Minimum Wires per Conductor	Nominal Insulation Thickness in.	Nominal Jacket Thickness in.	Nominal Outside Diameter in.	Approx. Weight lbs. per 1,000 ft.	* Ampacity 90°C
008	8	133	0.060	0.075	0.460	136	80
006	6	133	0.060	0.095	0.550	202	105
004	4	133	0.060	0.095	0.600	268	140
003	3	133	0.060	0.095	0.620	318	165
002	2	259	0.060	0.095	0.690	375	190
001	1	259	0.080	0.095	0.760	479	220
010	1/0	266	0.080	0.095	0.810	555	260
020	2/0	323	0.080	0.095	0.832	675	300
030	3/0	418	0.080	0.095	0.900	794	350
040	4/0	532	0.080	0.095	0.960	959	405
250	250	627	0.095	0.095	1.070	1268	455
300	300	741	0.095	0.095	1.100	1315	505
350	350	888	0.095	0.095	1.160	1517	570
400	400	999	0.095	0.095	1.190	1681	615
500	500	1221	0.095	0.095	1.310	2039	700

* Ampacity is calculated with a 90°C conductor temperature and 30°C ambient air, per 2008 NEC, Table 400.5(B)

- Cable diameters and weights are subject to +/- 5% manufacturing tolerance

SAVE TIME

**Order Your Type W Cable with
Factory Installed
Connectors**

SAVE MONEY



Magnet Crane Cable • Type W Two Conductor • 600-2000 Volts

Magnet Crane Cable • 90°C

Conductors

Bunched strands of tinned annealed copper per ASTM B-33. Stranding other than those listed in the table are available upon special order.

Insulation

Ethylene-Propylene rubber (EPR) per ICEA S-95-658 and ASTM D-2802. Insulation material color coded through AWG size #2. Larger sizes are coded with fabric tape wraps. One black, one white.



Separator

A suitable separator provides for easy stripping of insulation

Fillers

Fibrous filler provides great impact resistance and flexibility. Rubber fillers are available upon special order.

Jacket

Flame retardant, oil and sunlight resistant Chlorinated Polyethylene (CPE). Black standard. See below for other color options.

Application

Nexans AmerCable's 600-2000 Volt two conductor cables are recommended for installations where long flex life, great flexibility and wearability are desired. Applications include heavy duty or temporary power supply service, AC or DC, to motor or generators, portable and stationary heavy duty equipment, cranes, conveyors and other mobile equipment. They are especially recommended to supply power for magnet crane applications. They may be installed in air, in ducts, immersed in water or directly buried in the earth. However, they are not UL Type USE. For cables requiring reduced flame propagation, refer to the factory.

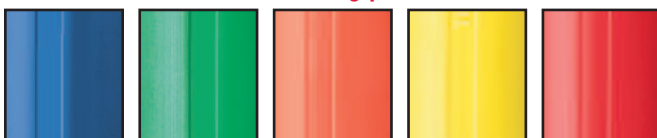
Features

- Suitable for continuous operating temperatures of 90°C
- Suitable for use in festoons, suspended loops and power tracks
- Suitable for use on Payout and Retractable reels (P&R)
- Heavy duty jacket offers excellent protection against abrasion, impact, heat, oil, flame, ozone, alkali and acids.
- Extremely flexible stranding used for increased flexibility and ease of installation
- Dual Rated 600V and 2kV
- Suitable for extra hard usage which enhances performance

Ratings & Approvals

- UL listed as Type W
- UL listed as Type TC
- ASTM B-33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes
- ASTM D-2802: Standard Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation for Wire and Cable
- ICEA S-95-658/ NEMA WC-70: Nonshielded Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- MSHA P-184
- Flame Resistance: FT-4

Type W CPE jackets are available in highly visible colors without sacrificing performance



37-430 • Two Conductor Magnet Crane • Type W • Round

Part No. 37-430-	Size AWG/ kcmil	Minimum Wires per Conductor	Nominal Insulation Thickness in.	Nominal Jacket Thickness in.	Nominal Outside Diameter in.	Approx. Weight lbs. per 1,000 ft.	* Ampacity 90°C
008	8	133	0.060	0.109	0.830	369	74
006	6	133	0.060	0.109	0.960	518	99
004	4	133	0.060	0.109	1.080	715	130
002	2	259	0.060	0.141	1.280	1045	174
010	1/0	266	0.080	0.156	1.560	1464	234
020	2/0	342	0.080	0.156	1.660	1788	271
040	4/0	532	0.080	0.172	1.973	2530	361
250	250	627	0.095	0.165	2.100	2664	402
350	350	888	0.095	0.176	2.360	3854	495
500	500	1221	0.095	0.214	2.700	5191	613

* Ampacity is calculated with a 90°C conductor temperature and 30°C ambient air, per 2008 NEC, Table 400.5(B)

- Cable diameters and weights are subject to +/- 5% manufacturing tolerance
- **A full line of UL listed Type G cables with grounding conductors is available. Consult factory.**



Photo provided by NASCOOP

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