

DIESEL LOCOMOTIVE (DLO)

ALLIED PART NO.	AWG SIZE	CONDUCTOR STRANDING	JACKET THICKNESS	NOMINAL INSUL.	O.D.	AMPS	APPROX. LBS./MFT.
DLO-14	14	19/24	.015	.045	.205	35	30
DLO-12	12	19/24	.015	.045	.225	40	40
DLO-10	10	27/24	.015	.045	.260	55	60
DLO-8	8	37/24	.030	.060	.340	80	95
DLO-6	6	61/24	.030	.060	.400	105	145
DLO-4	4	105/24	.030	.060	.460	140	205
DLO-2	2	154/24	.030	.060	.520	190	295
DLO-1	1	224/24	.045	.080	.650	220	440
DLO-1/0	1/0	280/24	.045	.080	.690	260	515
DLO-2/0	2/0	329/24	.045	.080	.730	300	580
DLO-3/0	3/0	456/24	.045	.080	.810	350	770
DLO-4/0	4/0	551/24	.045	.080	.870	405	930
DLO-262.6	262.6	646/24	.065	.095	1.000	467	1130
DLO-313.1	313.1	777/24	.065	.095	1.060	522	1295
DLO-373.7	373.7	925/24	.065	.095	1.100	591	1545
DLO-444.4	444.4	1100/24	.065	.095	1.230	652	1820
DLO-535.3	535.3	1332/24	.065	.120	1.340	728	2195
DLO-646.4	646.4	1600/24	.065	.120	1.450	815	2560
DLO-777.7	777.7	1924/24	.065	.120	1.500	904	3050

*Ampacities based on single-conductor in free air, 30°C ambient air temperature, 90°C conductor temperature in accordance with National Electrical Code Table 310.17

TYPE DLO

EP/Hypalon (UL) or EPDM/CPE
 90°C 2000 Volt, AAR-589, CSA R90

Construction:

- Conductor: Extra-flexible stranded tinned annealed copper, with separator
- Insulation: Premium grade 90°C EPDM or EP
- Jacket: Hypalon Jacket or a Chlorinated Polyethylene (CPE) Black

Applications:

- Diesel electric locomotives
- Power supply systems (UL Rated)
- Oil and gas drilling rigs
- Motor leads
- Shipyards
- Where flexible power leads must be installed in conduit or raceways

Features:

- 90°C temperature rating
- Excellent impact and abrasion resistance
- Resists oils, acids, alkalis, heat, flame
- Flexible tinned copper stranding

WELDING CABLE

ALLIED PART NO.	AWG SIZE	CONDUCTOR STRANDING	NOMINAL O.D.	AMPS	APPROX. LBS./MFT
WELD 6	6	259/30	.320	115	125
WELD 4	4	413/30	.370	150	182
WELD 2	2	651/30	.430	205	271
WELD 1	1	826/30	.505	240	360
WELD 1/0	1/0	1050/30	.570	285	444
WELD 2/0	2/0	1308/30	.605	325	535
WELD 3/0	3/0	1656/30	.670	380	667
WELD 4/0	4/0	2088/30	.720	440	809
WELD 250	250	2516/30	.860	495	1048
WELD 350	350	3478/30	.970	680	1396
WELD 500	500	5002/30	1.150	720	1973

WELDING CABLE AMPACITIES

AMPS	50'	75'	100'	125'	150'	200'	250'	300'	350'
100	4	4	2	1	1/0	2/0	3/0	4/0	4/0
150	3	2	1/0	1/0	2/0	4/0			
200	2	1/0	2/0	3/0	4/0				
250	1	1/0	3/0	4/0					
300	1/0	2/0	4/0						
350	2/0	3/0	4/0						
400	3/0	4/0							
450	3/0	4/0							
500	4/0								
550	4/0								
600	4/0								

NOTES: Distances shown are half the length of cable required. For total cable length of welding lead and ground lead, double the distance shown.
 4 Volts Max. drop. Nominal DC Res @ 25°C per ICEA S-19-81 Table 7.5.1

WELDING CABLE

Neoprene or EPDM Jacket

105°C to -55°C 600 Volt

Construction:

- Conductor: Fully annealed stranded bare copper per ASTM B-172
- Jacket: Neoprene jacket or a EPDM jacket in black; EPDM jacket is also available in red

Applications:

- Secondary voltage resistance welding leads
- Power supply applications not exceeding 600 volts

Features:

- Great Flexibility
- Abrasion resistant
- Moisture resistant

Suggested Ampacities:

For 600 Volt In-Line Applications

GAUGE	AMPERES	GAUGE	AMPERES
500MCM	695	1/0	160
350MCM	552	1	140
250MCM	445	2	110
4/0	310	4	100
3/0	265	6	75
2/0	180		

Ampacities for portable cable, continuous duty (ambient temperature of 40°C). May not be suitable for all installations per NEC.

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