SOOW
600V Cord -40°C + 90°C UL CSA MSHA
Extra Hard Usage – High Grade Mechanical Service

Construction	
Conductors:	Flexible Stranded Bare copper, ASTM B-174 and UL 62
Insulation:	Ethylene-propylene rubber (EPR), 90°C compound class 3, table 8, UL 62
Assembly:	Insulated conductors cabled together with integral filler or rubber fillers
Separator:	Talc for 18-10 AWG (portable & control cable), Talc for 8-2 AWG (power cable)
Jacket:	Black CPE 90°C compound class 1.4, table 22, UL 62

Features
-Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water
-Flame test meets VW-1, FT2 and MSHA
-Temperature range -40°C to + 90°C
-Suitable for shallow water immersion
-NEC Article 700 permitted for specific applications
-NFPA 70 permitted use in Hazardous Locations Classes I, II, III Divisions 1 & 2 as outlined in Articles 501, 502, 503 section 140.
-Bend radius: 5 x OD

Approvals
-UL
-CSA
-MSHA

Specification and Standards
-UL62/CSA-C 22.2 No 4

Application
Industrial and processing equipment, cranes and hoists, cable chain, track systems, tools, construction equipment, motors and associated machinery, garage portable light, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment.

PORTABLE & CONTROL CORD

Color code: ICEA S-58-679, Method 1, table 1.

Part Number	N. of Conductor	Conductor Size	Conductor Stranding	Insulation Thickness Inch (mm)	Jacket Thickness Inch (mm)	Nominal O.D. Inch (mm)	Cable Wt lbs/Mft (kg/km)	Ampacity A 30 C° Ambient T
80021800	2	18	16 / 30	0.030 (0.76)	0.060 (1.52)	0.34 (8.6)	63	10
80031800	3				0.060 (1.52)	0.36 (9.1)	74	10
80041800	4				0.060 (1.52)	0.39 (9.8)	87	7
80051800	5				0.080 (2.03)	0.46 (11.7)	123	5.6
80061800	6				0.080 (2.03)	0.48 (12.3)	131	5.6
80071800	7				0.080 (2.03)	0.48 (12.3)	134	5.6
80081800	8				0.080 (2.03)	0.52 (13.1)	151	4.9
80101800	10				0.080 (2.03)	0.59 (15.0)	180	4.9
80121800	12				0.080 (2.03)	0.61 (15.4)	202	3.5
80141800	14				0.095 (2.41)	0.66 (16.9)	246	3.5
80161800	16				0.095 (2.41)	0.69 (17.6)	274	3.5
80201800	20				0.095 (2.41)	0.76 (19.3)	333	3.5
80241800	24				0.095 (2.41)	0.83 (21.2)	376	3.2
80301800	30				0.110 (2.79)	0.91 (23.0)	470	3.2
80021600	2	16	26 / 30	0.030 (0.76)	0.060 (1.52)	0.37 (9.3)	76	13
80031600	3				0.060 (1.52)	0.39 (9.8)	90	13
80041600	4				0.060 (1.52)	0.42 (10.5)	107	10
80051600	5				0.080 (2.03)	0.49 (12.5)	146	8
80061600	6				0.080 (2.03)	0.53 (13.4)	165	8
80071600	7				0.080 (2.03)	0.53 (13.4)	170	8
80081600	8				0.080 (2.03)	0.56 (14.3)	193	7
80091600	9				0.095 (2.41)	0.68 (17.2)	238	7
80101600	10				0.095 (2.41)	0.68 (17.2)	251	7
80121600	12				0.095 (2.41)	0.70 (17.7)	282	5
80141600	14				0.095 (2.41)	0.73 (18.5)	316	5
80161600	16				0.095 (2.41)	0.76 (19.4)	354	5
80201600	20				0.095 (2.41)	0.84 (21.2)	434	5
80241600	24				0.110 (2.79)	0.95 (24.1)	520	4.5
80301600	30				0.110 (2.79)	1.00 (25.4)	615	4.5
80371600	37				0.110 (2.79)	1.07 (27.3)	730	4
80401600	40				0.110 (2.79)	1.18 (29.9)	843	4
80521600	52				0.125 (3.18)	1.28 (32.4)	1016	3.5
80601600	60				0.125 (3.18)	1.35 (34.2)	1154	3.5
80021400	2	14	41 / 30	0.045 (1.14)	0.080 (2.03)	0.50 (12.6)	137	18
80031400	3				0.080 (2.03)	0.52 (13.3)	161	18
80041400	4				0.080 (2.03)	0.57 (14.4)	192	15
80051400	5				0.095 (2.41)	0.64 (16.4)	251	12
80061400	6				0.095 (2.41)	0.69 (17.6)	277	12
80071400	7				0.095 (2.41)	0.69 (17.6)	285	12
80081400	8				0.095 (2.41)	0.74 (18.9)	324	10.5
80101400	10				0.095 (2.41)	0.86 (21.9)	388	10.5
80121400	12				0.095 (2.41)	0.89 (22.5)	441	7.5

80141400	14				0.095 (2.41)	0.98 (24.8)	563	7.5
80201400	20				0.110 (2.79)	1.11 (28.1)	730	7.5
80241400	24				0.110 (2.79)	1.22 (31.1)	828	6.8
80301400	30				0.125 (3.18)	1.32 (33.6)	1027	6.8
80371400	37				0.125 (3.18)	1.42 (36.2)	1224	6
80021200	2	12	65 / 30	0.045 (1.14)	0.095 (2.41)	0.57 (14.4)	184	25
80031200	3				0.095 (2.41)	0.59 (15.2)	217	25
80041200	4				0.095 (2.41)	0.64 (16.5)	261	20
80051200	5				0.095 (2.41)	0.70 (17.8)	319	16
80061200	6				0.095 (2.41)	0.74 (18.8)	344	16
80071200	7				0.095 (2.41)	0.74 (18.8)	358	16
80081200	8				0.095 (2.41)	0.80 (20.2)	408	14
80091200	9				0.095 (2.41)	0.92 (23.5)	461	14
80101200	10				0.110 (2.79)	0.95 (24.2)	519	14
80121200	12				0.110 (2.79)	0.98 (24.9)	591	10
80141200	14				0.110 (2.79)	1.03 (26.1)	668	10
80161200	16				0.110 (2.79)	1.08 (27.5)	755	10
80201200	20				0.125 (3.18)	1.22 (31.0)	971	10
80241200	24				0.125 (3.18)	1.35 (34.3)	1106	9
80261200	26				0.125 (3.18)	1.38 (35.0)	1180	9
80301200	30				0.125 (3.18)	1.43 (36.3)	1327	9
80371200	37				0.125 (3.18)	1.53 (39.0)	1588	8
80441200	44				0.125 (3.18)	1.72 (43.6)	1868	7
80021000	2	10	104 / 30	0.045 (1.14)	0.095 (2.41)	0.62 (15.6)	230	30
80031000	3				0.095 (2.41)	0.65 (16.5)	281	30
80041000	4				0.095 (2.41)	0.70 (17.8)	336	25
80051000	5				0.095 (2.41)	0.76 (19.3)	409	20
80061000	6				0.095 (2.41)	0.82 (20.7)	452	20
80071000	7				0.095 (2.41)	0.82 (20.7)	474	20
80081000	8				0.095 (2.41)	0.88 (22.3)	541	17.5
80101000	10				0.110 (2.79)	1.05 (26.8)	686	17.5
80121000	12				0.110 (2.79)	1.09 (27.6)	788	12.5
80161000	16				0.125 (3.18)	1.23 (31.2)	1053	12.5
80201000	20				0.125 (3.18)	1.35 (34.4)	1304	12.5
80241000	24				0.125 (3.18)	1.54 (39.0)	1598	11.3
80301000	30				0.125 (3.18)	1.59 (40.4)	1803	11.3
80401000	40				0.141 (3.58)	1.87 (47.4)	2464	10

POWER CABLE

Color code: ICEA S-58-679, Method 1, table 1; 2/c, 3/c – black, white, green; 4/c, 5/c – clack, white, red, green, orange.

Part Number	N. of Conductor	Conductor Size	Conductor Stranding	Insulation Thickness Inch (mm)	Jacket Thickness Inch (mm)	Nominal O.D. Inch (mm)	Cable Wt lbs/Mft (kg/km)	Ampacity A 30 C° Ambient T
80030800UL	3	8	133 / 0.0156	0.060 (1.52)	0.110 (2.79)	0.83 (21.1)	452	40
80040800UL	4				0.125 (3.18)	0.93 (23.5)	577	35
80050800UL	5				0.125 (3.18)	1.00 (25.4)	683	28
80030600UL	3	6	184 / 0.0117	0.060 (1.52)	0.125 (3.18)	0.97 (24.6)	641	55
80040600UL	4				0.140 (3.56)	1.05 (26.7)	785	45
80050600UL	5				0.140 (3.56)	1.18 (30.0)	983	36
80030400UL	3	4	165 / 0.0156	0.060 (1.52)	0.140 (3.56)	1.13 (33.2)	913	70
80040400UL	4				0.155 (3.94)	1.25 (31.8)	1156	60
80050400UL	5				0.155 (3.94)	1.31 (33.2)	1318	48
80030200UL	3	2	262 / 0.0156	0.060 (1.52)	0.155 (3.94)	1.30 (33.1)	1287	95
80040200UL	4				0.170 (4.32)	1.45 (36.8)	1644	80
80050200UL	5				0.170 (4.32)	1.53 (38.8)	1900	64