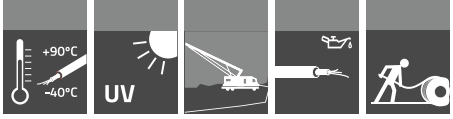

SH class K

5-35 kV

ICEA S-75-381/NEMA WC-58

Single Conductor Medium Voltage Portable Power Cable

APPLICATIONS

- These cables are designed for use on mobile substation equipment
- Other industrial, mining applications

CONSTRUCTION

Conductors	Annealed flexible stranded tin coated copper Class K in accordance with ASTM B-172 and ICEA S-75-381.
Conductor shield	Semi-conducting tape + layer over the conductor
Insulation	Ethylene-propylene rubber (EPR)
Insulation shield	Semi-conducting tape + composite tinned copper/polyamide braid. Covering minimum 60%
Separator	Reinforcing tape over insulation shield
Jacket	Heavy duty thermosetting poly-chloroprene (CR) jacket
Color of jacket	Black or other colors can be provided
Minimum bending radius	Eight times overall diameter of the cable

Features

Excellent flexibility	Excellent impact and abrasion resistant
Highly ozone, sun, weather and flame resistant	Oil and heat resistant
Rated and flexible at –40°C	Indent printed for easy identification

SH class K

Standard length cable packing	1000ft on drums. Other forms of packing and delivery are available on request

Standard Print Legend

TF CABLE 3 (VOLTAGE)(SIZE) TYPE SH OIL RESISTANT -40°C +90°C

Cross-section-number of conductor	Stranding	Nominal Insulation thickness	Nominal Jacket thickness	Approx. Overall Diameter	Approx. Weight	Current – carrying[1)] Capacity at 40°C
AWG or MCM	**No. of wires**	**mm**	**mm**	**mm**	**kg/km**	**A**
Type SH 5 kV						
2AWG-1	646	2.79	3.18	23.7	860	195
1/0AWG-1	1056	2.79	3.56	25.6	1114	260
2/0AWG-1	1261	2.79	3.56	26.4	1235	299
4/0AWG-1	2007	2.79	3.94	30.4	1759	400
250MCM-1	2496	3.05	3.94	32.3	2068	444
350MCM-1	3355	3.05	4.32	35.9	2653	549
500MCM-1	4880	3.05	4.83	41.2	3583	688
Type SH 8 kV						
2AWG-1	646	3.81	3.56	26.3	1004	195
1/0AWG-1	1056	3.81	3.94	29.2	1328	260
2/0AWG-1	1261	3.81	3.94	30.4	1478	299
4/0AWG-1	2007	3.81	3.94	33.6	1974	400
250MCM-1	2496	3.81	4.32	35.5	2299	444
350MCM-1	3355	3.81	4.32	38.4	2850	549
500MCM-1	4880	3.81	4.83	43.0	3738	688
Type SH 15 kV						
2AWG-1	646	5.33	3.94	29.7	1208	195
1/0AWG-1	1056	5.33	3.94	32.1	1520	259
2/0AWG-1	1261	5.33	3.94	33.3	1678	298
4/0AWG-1	2007	5.33	4.32	37.2	2245	397

SH class K

Cross-section-number of conductor	Stranding	Nominal Insulation thickness	Nominal Jacket thickness	Approx. Overall Diameter	Approx. Weight	Current – carrying[1)] Capacity at 40°C
AWG or MCM	**No. of wires**	**mm**	**mm**	**mm**	**kg/km**	**A**
250MCM-1	2496	5.33	4.32	38.4	2526	440
350MCM-1	3355	5.33	4.83	42.2	3175	543
500MCM-1	4880	5.33	4.83	45.9	4008	678
Type SH 25 kV						
2AWG-1(*)	646	7.49	3.94	34.4	1523	195
1AWG-1	836	7.49	4.32	36.4	1747	222
1/0AWG-1	1056	7.49	4.32	37.6	1929	255
2/0AWG-1	1261	7.49	4.32	38.9	2108	293
4/0AWG-1	2007	7.49	4.83	42.5	2694	389
250MCM-1	2496	7.49	4.83	43.7	2988	430
350MCM-1	3355	7.49	4.83	46.6	3579	529
500MCM-1	4880	7.49	5.21	51.1	4540	659
Type SH 35 kV						
2AWG-1(*)	646	8.76	4.83	37.9	1798	195
1/0AWG-1(*)	1056	8.76	4.83	40.0	2118	255
2/0AWG-1(*)	1261	8.76	4.83	41.0	2287	293
4/0AWG-1(*)	2007	8.76	5.21	44.5	2872	389
250MCM-1(*)	2496	8.76	5.21	45.9	3188	430
350MCM-1(*)	3355	8.76	5.59	49.4	3860	529
500MCM-1(*)	4880	8.76	5.59	54.2	4872	659

*Based on standard