

# TYPE SH 8000V

## Single Conductor Medium Voltage Portable Power Cable



### SPECIFICATIONS & STANDARDS

According to ICEA S-75-381/NEMA WC-58, ASTM B172, ASTM B 33

### CONSTRUCTION:

- Conductors:** Annealed flexible stranded tin coated copper Class I in accordance with ASTM B-172 and ICEA S-75-381
- Conductor shielding:** Semi-conducting tape+ layer over the conductor
- Insulation:** Ethylene-propylene rubber (EPR)
- Insulation shield:** Semi-conducting tape +Composite tinned copper/nylon braid. Covering minimum 60% Cable consist of EPR insulated central conductor with helically applied copper drain wire shield conductors over the insulation semi-conductive tape shield. Reinforcing tape over insulation shield
- Jacket:** Heavy duty thermosetting poly-chloroprene jacket
- Colour of jacket:** Black
- Minimum bending radius:** Eight x overall diameter of the cable

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

FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Excellent flexibility</li> <li>- Highly ozone, sun, weather and flame resistant</li> <li>- Rated and flexible at -40°C</li> <li>- Excellent impact and abrasion resistant</li> <li>- Oil and heat resistant</li> </ul>	<ul style="list-style-type: none"> <li>- These cables are designed for use on mobile substation equipment</li> <li>- Other industrial application</li> </ul>

Part Number	Power Conductor Size	Conductor Stranding	Nominal Insulation Thickness	Nominal Jacket Thickness	Approx. Overall Diameter	Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG / MCM		inches	inches	inches	lbs/1000 ft	kgs/km	A
SH8KV-2	2AWG-1	259x0.0157	0.150	0.140	1.028	699	1040	195
SH8KV-1	1AWG-1	259x0.0177		0.140	1.079	789	1174	225
SH8KV-1/0	1/0AWG-1	266x0.0197		0.155	1.142	910	1354	260
SH8KV-2/0	2/0AWG-1	342x0.0193		0.155	1.185	1037	1543	299
SH8KV-3/0	3/0AWG-1	418x0.0197		0.155	1.252	1194	1777	345
SH8KV-4/0	4/0AWG-1	532x0.0197		0.155	1.307	1375	2046	400
SH8KV-250	250MCM-1	627x0.0197		0.170	1.394	1556	2315	444
SH8KV-300	300MCM-1	740x0.0197		0.170	1.457	1738	2587	496
SH8KV-350	350MCM-1	888x0.0193		0.170	1.500	1944	2893	549
SH8KV-500	500MCM-1	1221x0.0197		0.190	1.689	2568	3822	688

### STANDARD PRINT LEGEND:

TF CABLE (8000V) (SIZE) TYPE SH OIL RESISTANT -40°C +90°C

