Svarn AWM Style UL 1283 /UL 758, 4/0AWG to 8AWG Single Core Unsheathed, Extruded PVC 105°C, 600V Cables



PARTICULAR	SIZE	1CX4/0 AWG	1CX3/0 AWG	1CX2/0 AWG	1CX1/0 AWG	1CX1 AWG	1CX2 AWG	1CX4 AWG	1CX6 AWG	1CX8 AWG
APPLICABLE STANDARD		AWM Style UL 1283 /UL 758								
TYPE OF CABLE		Single Core unsheathed Cable								
TEMPRATURE RANGE	°C	105°C								
VOLTAGE GRADE	V	600V								
NO. OF CORE	No.	1								
CONDUCTOR										
a) Material	-	Annealed Bare Copper								
b) Nom. Size	AWG	4/0	3/0	2/0	1/0	1	2	4	6	8
c) No. of strands (Approx.)	-	2117	1679	1331	1056	835	665	420	266	168
d) Wire dia. (nom.)	mm	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008	0.254 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	0.1673	0.211	0.266	0.3354	0.423	0.5335	0.8481	1.348	2.144
		Note : Conductor Area/strand diameter is a nominal figure and shall meet the required resistant value.								
INSULATION										
a) Material		Extruded PVC compound (105°C)								
b) Nominal Thickness	mm	2.03 (80 mils)								
c) Minimum Thickness at any point	mm	1.80 (72 mils)								
d) Colour of Insulation		As per PO/ Customer Requirement								
OVERALL DIAMETER OF CABLE	mm	18.41	16.84	15.44	14.20	13.08	12.11	10.43	9.11	7.01
a) Tolarence	KV	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5
ELECTRICAL PROPERTIES										
a) Max. D.C. Resistance at 20°C	Ω/Km	0.1673	0.2110	0.2660	0.3354	0.4230	0.5335	0.8481	1.3480	2.1440
c) Dielectric Strength Test	KV for 1 minute	2.50					2.00			
PHYSICAL PROPERTIES	----	----								
a) Tensile Strength	Mpa	⩾ 10.30								
b) Elongation	%	⩾ 100								
After Aging (136°C/168h)	---									
a) Tensile Strength	%	⩾ 70% of original								
b) Elongation	%	⩾ 65% of original								
Flame Rating										
PRINTING		E555150 AWM I A STYLE UL1283 4/0AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 3/0AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 2/0AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 1/0AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 1AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 2 AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 4AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 6AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1283 8AWG 105°C 600 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	1219.2	984.6	796.6	647.0	525.4	430.8	290.0	199.6	122.2
Packing length	Mtr	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)