Svarn AWM Style UL 3167 /UL 758, 8AWG to 26AWG Single Core Unsheathed, Extruded XLPE 105°C, 600V Cables



PARTICULAR	SIZE	1CX8 AWG	1CX10 AWG	1CX12 AWG	1CX14 AWG	1CX16 AWG	1CX18 AWG	1CX20 AWG	1CX22 AWG	1CX24 AWG	1CX26 AWG
APPLICABLE STANDARD		AWM Style UL 3167 /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	8	10	12	14	16	18	20	22	24	26
c) No. of strands (Approx.)	-	133	105	65	41	26	16	10	7	7	7
d) Wire dia. (nom.)	mm	0.287 +/-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	0.200 +/-0.008	0.160 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	2.144	3.409	5.43	8.62	13.7	21.8	34.6	55.4	87.6	140
		Note : Conductor Area/strand diameter is a nominal figure and shall meet the required resistant value.									
INSULATION											
a) Material		Extruded XLPE compound (105°C)									
b) Nominal Thickness	mm	0.76 (30 mils)									
c) Minimum Thickness at any point	mm	0.68 (27 mils)									
d) Colour of Insulation		As per PO/ Customer Requirement									
OVERALL DIAMETER OF CABLE	mm	5.50	4.68	3.90	3.40	3.01	2.71	2.46	2.27	2.11	1.99
a) Tolarence	KV	+/-0.3	+/-0.3	+/-0.3	+/-0.2	+/-0.2	+/-0.15	+/-0.15	+/-0.15	+/-0.15	+/-0.1
ELECTRICAL PROPERTIES											
a) Max. D.C. Resistance at 20°C	Ω/Km	2.14	3.41	5.43	8.62	13.70	21.80	34.60	55.40	87.60	140.00
c) Dielectric Strength Test	KV for 1 minute	2.00									
PHYSICAL PROPERTIES	----	----									
a) Tensile Strength	Mpa	⩾ 10.30									
b) Elongation	%	⩾ 150									
After Aging (136°C/168h)	---										
a) Tensile Strength	%	⩾ 70% of original									
b) Elongation	%	⩾ 45% of original									
Flame Rating		Horizontal Flame (FT 2), Vertical Flame (VW-1) - Optional									
PRINTING		E555150 AWM I A STYLE UL3167 8AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 10AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 12AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 14AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 16AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 18AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 20AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 22AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 24AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3167 26AWG 105°C 600 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	89.9	58.7	38.6	25.8	17.5	12.3	8.8	6.5	5.0	4.0
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)	310 ± 5% (Coils)