Svarn AWM Style UL 3385 /UL 758, 10AWG to 26AWG Single Core Unsheathed, Extruded XLPE 105°C, 300V Cables



PARTICULAR	SIZE	1CX10 AWG	1CX12 AWG	1CX14 AWG	1CX16 AWG	1CX18 AWG	1CX20 AWG	1CX22 AWG	1CX24 AWG	1CX26 AWG
APPLICABLE STANDARD		AWM Style UL 3385 /UL 758								
TYPE OF CABLE		Single Core unsheathed Cable								
TEMPRATURE RANGE	°C	105°C								
VOLTAGE GRADE	V	300V								
NO. OF CORE	No.	1								
CONDUCTOR										
a) Material	-	Annealed Bare Copper								
b) Nom. Size	AWG	10	12	14	16	18	20	22	24	26
c) No. of strands (Approx.)	-	105	65	41	26	16	10	7	7	7
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	0.200 +/-0.008	0.160 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	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	0.38 (15 mils)								
c) Minimum Thickness at any point	mm	0.33 (13 mils)								
d) Colour of Insulation		As per PO/ Customer Requirement								
OVERALL DIAMETER OF CABLE	mm	3.92	3.14	2.64	2.25	1.95	1.70	1.51	1.35	1.23
a) Tolarence	KV	+/-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	3.409	5.430	8.620	13.700	21.800	34.600	55.400	87.600	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 UL3385 10AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 12AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 14AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 16AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 18AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 20AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 22AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 24AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3385 26AWG 105°C 300 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	54.0	34.6	22.3	14.5	9.7	6.5	4.4	3.1	2.2
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)