Svarn AWM Style UL 3173 /UL 758, 10AWG to 26AWG Single Core Unsheathed, Extruded XLPE 125°C, 600V 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 3173 /UL 758								
TYPE OF CABLE		Single Core unsheathed Cable								
TEMPRATURE RANGE	°C	125°C								
VOLTAGE GRADE	V	600V								
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 (125°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	5.08	4.71	3.40	3.01	2.71	2.46	2.27	2.11	1.99
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	⩾ 13.79								
b) Elongation	%	⩾ 300								
After Aging (136°C/168h)	---									
a) Tensile Strength	%	⩾ 80% of original								
b) Elongation	%	⩾ 80% of original								
Flame Rating		Horizontal Flame (FT 2), Vertical Flame (VW-1) - Optional								
PRINTING		E555150 AWM I A STYLE UL3173 10AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 12AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 14AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 16AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 18AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 20AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 22AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 24AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3173 26AWG 125°C 600 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	62.8	41.9	28.5	19.8	14.2	10.4	8.0	6.3	5.2
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)