Svarn AWM Style UL 1007 /UL 758, 8AWG to 26AWG Single Core Unsheathed, Extruded PVC 80°C, 300V 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 1007 /UL 758									
TYPE OF CABLE		Single Core unsheathed Cable									
TEMPRATURE RANGE	°C	80°C									
VOLTAGE GRADE	V	300V									
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	0.2 +/-0.008	0.16 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	2.23	3.5	5.64	8.96	14.6	23.2	36.7	59.4	94.2	150
		Note : Conductor Area/strand diameter is a nominal figure and shall meet the required resistant value.									
INSULATION											
a) Material		Extruded PVC compound (80°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	4.52	3.76	3.12	2.63	2.23	1.93	1.70	1.50	1.35	1.23
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	2.23	3.50								150.00
c) Dielectric Strength Test	KV for 1 minute	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		Horizontal Flame Test (FT 2), Vertical Flame Test (VW-1) - Optional									
PRINTING		E555150 AWM I A STYLE UL1007 8AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 10AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 12AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 14AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 16AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 18AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 20AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 22AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 24AWG 80°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1007 26AWG 80°C 300 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	88.0	57.3	36.7	24.0	15.6	10.5	7.4	5.1	3.8	2.8
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)