Svarn AWM Style UL 10198 /UL 758, 8AWG to 26AWG Single Core Unsheathed, Extruded PVC 105°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 10198 /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	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 (105°C)									
b) Nominal Thickness	mm	0.76 (30 mils)		0.50 (20 mils)		0.38 (15 mils)					
c) Minimum Thickness at any point	mm	0.685 (27 mils)		0.43 (17 mils)		0.33 (13 mils)					
d) Colour of Insulation		As per PO/ Customer Requirement									
OVERALL DIAMETER OF CABLE	mm	5.28	4.01	3.37	2.89	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	5.64	8.96	14.60	23.20	36.70	59.40	94.20	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 UL10198 8AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 10AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 12AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 14AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 16AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 18AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 20AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 22AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 24AWG 105°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL10198 26AWG 105°C 300 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	96.9	59.6	38.6	25.7	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)