Svarn AWM Style UL 1028 /UL 758, 8AWG to 22AWG Single Core Unsheathed, Extruded PVC 105°C, 600V Cables



PARTICULAR	SIZE	1CX8 AWG	1CX10 AWG	1CX12 AWG	1CX14 AWG	1CX1 6AWG	1CX18 AWG	1CX20 AWG	1CX22 AWG
APPLICABLE STANDARD		AWM Style UL 1028 /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
c) No. of strands (Approx.)	-	133	105	65	41	26	16	10	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
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
					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	1.14 (45 mils)							
c) Minimum Thickness at any point	mm	1.02 (40 mils)							
d) Colour of Insulation		As per PO/ Customer Requirement							
OVERALL DIAMETER OF CABLE	mm	6.05	5.28	4.64	4.16	3.75	3.45	3.22	3.02
a) Tolarence	KV	+/-0.3	+/-0.3	+/-0.3	+/-0.2	+/-0.2	+/-0.15	+/-0.15	+/-0.15
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
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 UL1028 8AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1028 10AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1028 12AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1028 14AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1028 16AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1028 18AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1028 20AWG 105°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL1022 8AWG 105°C 600 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	107.2	73.6	50.7	36.4	26.4	20.3	16.3	13.3
Packing length	Mtr	310 3 5% (Coils)	310 3 5% (Coils)	310 3 5% (Coils)	310 3 5% (Coils)	310 3 5% (Coils)	310 3 5% (Coils)	310 3 5% (Coils)	310 3 5% (Coils)