Svarn AWM Style UL 3271 /UL 758, 8AWG to 26AWG Single Core Unsheathed, Extruded XLPE 125°C, 600V AC, 700V DC 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 3271 /UL 758									
TYPE OF CABLE		Single Core unsheathed Cable									
TEMPRATURE RANGE	°C	125°C									
VOLTAGE GRADE	V	600V AC / 750V DC									
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	0.200 +/-0.008	0.160 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	2.144	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	6.27	4.68	3.90	3.40	3.01	2.71	2.46	2.27	2.11	1.99
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	2.144	3.409	5.430	8.620	13.700	21.800	34.600	55.400	87.600	140.000
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 UL3271 8AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 10AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 12AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 14AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 16AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 18AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 20AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 22AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 24AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3271 26AWG 125°C 600 Volt AC / 750 Volt DC FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	104.2	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)	310 ± 5% (Coils)