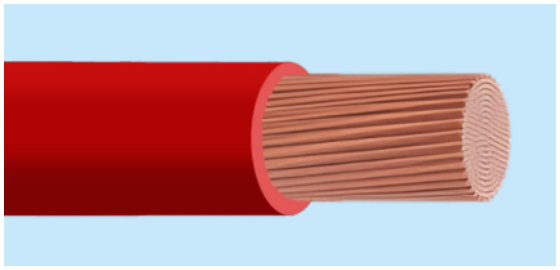
Svarn
AWM Style UL 3766 /UL 758, 16AWG to 26AWG Single Core Unsheathed, Extruded XLPE, 150°C, 300V Cables



PARTICULAR	SIZE	1CX16 AWG	1CX18 AWG	1CX20 AWG	1CX22 AWG	1CX24 AWG	1CX26 AWG
APPLICABLE STANDARD		AWM Style UL 3766 /UL 758					
TYPE OF CABLE		Single Core unsheathed Cable					
TEMPRATURE RANGE	°C	150°C					
VOLTAGE GRADE	V	300V					
NO. OF CORE	No.	1					
CONDUCTOR							
a) Material	-	Annealed Bare Copper					
b) Nom. Size	AWG	16	18	20	22	24	26
c) No. of strands (Approx.)	-	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	0.200 +/-0.008	0.160 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	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 (150°C)					
b) Nominal Thickness	mm	0.45 (18 mils)					
c) Minimum Thickness at any point	mm	0.40 (16 mils)					
d) Colour of Insulation		As per PO/ Customer Requirement					
OVERALL DIAMETER OF CABLE	mm	2.40	2.10	1.85	1.66	1.50	1.38
a) Tolarence	KV	+/-0.2	+/-0.15	+/-0.15	+/-0.15	+/-0.15	+/-0.1
ELECTRICAL PROPERTIES							
a) Max. D.C. Resistance at 20°C	Ω/Km	13.700	21.800	34.600	55.400	87.600	140.000
c) Dielectric Strength Test	KV for 1 min	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 UL3766 16AWG 150°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3766 18AWG 150°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3766 20AWG 150°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3766 22AWG 150°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3766 24AWG 150°C 300 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3766 26AWG 150°C 300 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	16.3	11.1	7.7	5.5	4.0	3.0
Packing length	Mtr	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)