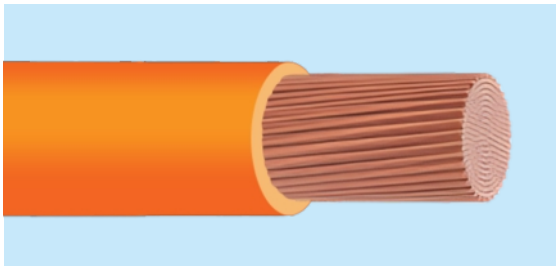
Svarn
AWM Style UL 3196 /UL 758, 2, 4, & 6 AWG Single Core Unsheathed, Extruded XLPE, 125°C, 600V Cables



PARTICULAR	SIZE	1CX2 AWG	1CX4 AWG	1CX6 AWG
APPLICABLE STANDARD		AWM Style UL 3196 /UL 758		
TYPE OF CABLE		Single Core unsheathed Cable		
TEMPRATURE RANGE	°C	125°C		
VOLTAGE GRADE	V	600V		
NO. OF CORE	No.	1		
CONDUCTOR				
a) Material	-	Annealed Bare Copper		
b) Nom. Size	AWG	2	4	6
c) No. of strands (Approx.)	-	665	418	263
d) Wire dia. (nom.)	mm	0.160 +/-0.008	0.200 +/-0.008	0.254 +/-0.008
e) Max. D.C. Resistance at 20°C	Ω/Km	0.5335	0.8481	1.348
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	1.52 (60 mils)		
c) Minimum Thickness at any point	mm	0.68 (54 mils)		
d) Colour of Insulation		As per PO/ Customer Requirement		
OVERALL DIAMETER OF CABLE	mm	11.09	9.42	8.11
a) Tolarence	KV	+/-0.1	+/-0.15	+/-0.3
ELECTRICAL PROPERTIES				
a) Max. D.C. Resistance at 20°C	Ω/Km	0.5335	0.8481	1.348
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 UL3196 2AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3196 4AWG 125°C 600 Volt FT1 Svarn Infratel ROHS	E555150 AWM I A STYLE UL3196 6AWG 125°C 600 Volt FT1 Svarn Infratel ROHS
Approx. Weight	Kg/km	391.1	257.8	62.8
Packing length	Mtr	310 ± 5% (Coils)	310 ± 5% (Coils)	310 ± 5% (Coils)