

Single Core XLPE insulated Wires : AWM-UL 758



UL Wires - Single Core



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Technical Data :

Type	: Single Core - UL and cUL Cables
Conductor	: Annealed Plain Copper / Annealed Tinned Copper
Insulation	: XLPE
Standard Colors	: As per customer's requirement
Ref. Specifications	: 1] Appliance Wiring Material (AWM) UL 758 (USA) 2] Appliance Wiring Material (AWM) CSA C22.2 No. 210 (Canada) Class I, Group A, B or A/B
Cable Range	: 24 AWG to 10 AWG
Normal Packing Length	: In 100 m coils, Pouch-packed
Application	: As Motor Leads or Internal Wiring of appliances

These cables are RoHS compliant.

"Garutmaan" Single Core XLPE insulated wires are manufactured using high conductivity, electrolytic grade, bright, plain annealed bare / tinned copper conductors. These UL Authorised wires conform to the Appliance Wiring Material (AWM) standards UL 758 and CSA C22.2 No. 210.

These Cables are manufactured in sizes ranging from 24 AWG to 10 AWG.

Additional sizes can also be made available on customer demand.

List of UL Certified Styles are as below;

Cable Selection Chart

Sr. No,	UL 758 Style Number	Insulation Type	Temperature Rating		Voltage Rating	
			150°C	125°C	600 V AC	300 V AC
1	UL 3288	XLPE	●		●	
2	UL 3289	XLPE	●		●	
3	UL 3321	XLPE	●		●	
4	UL 3456	XLPE	●		●	
5	UL 3173	XLPE		●	●	
6	UL 3266	XLPE		●		●
7	UL 3271	XLPE		●	●	
8	UL 3344	XLPE		●	●	

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UL 3288 (150°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

UL 3173 (125°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

UL 3289 (150°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

UL 3266 (125°C, 300 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.38	1.4	3.4
22	0.33	0.38	1.6	4.9
20	0.52	0.38	1.8	6.5
18	0.82	0.38	2.0	10.0
16	1.31	0.38	2.3	14.5
14	2.08	0.38	2.7	22.5
12	3.31	0.38	3.2	35.0
10	5.26	0.38	3.9	53.5

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UL 3321 (150°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

UL 3271 (125°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

UL 3456 (150°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

UL 3344 (125°C, 600 V-AC)

Conductor Construction		Insulation Thickness (Minimum Average)	Overall Diameter (Approx.)	Approx. Weight
Conductor Size	Nominal Cross - Sectional Area			
AWG	mm ²	mm	mm	kg/km
24	0.21	0.76	2.2	6.0
22	0.33	0.76	2.4	7.5
20	0.52	0.76	2.6	9.9
18	0.82	0.76	2.8	13.4
16	1.31	0.76	3.1	18.5
14	2.08	0.76	3.5	26.8
12	3.31	0.76	4.0	40.0
10	5.26	0.76	4.7	59.5

Note 1: The wires can be supplied with bare or tinned copper conductor, as required.

Note 2: Higher sizes can be supplied on request.

Manufactured by :



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