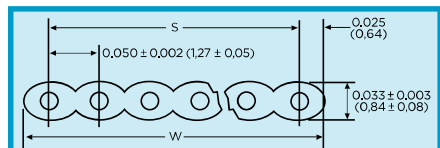


Communication and Control

300 V Unshielded, Flat Cable, 0.050 (1.27 mm) Centerline



UL AWM 2651, 20932 VW-1

Operating Temperature

- -20°C to +105°C

Materials

- Stranded tinned copper conductors
- Extruded PVC insulation (slate cable)
- Thermally bonded PVC with clear PVC covering (color-coded cable)

Color

- AWM 2651: slate cable, with red polarity stripe on leading edge
- AWM 20932: color-coded cable: brown, red, orange, yellow, green, blue, violet, slate, white, black . . . repeats

Electrical Characteristics

- Capacitance: 14 pF/ft (45.9 pF/m) nom. at 1 MHz
- Propagation delay: 1.4 ns/ft (4.6 ns/m) @ 0.18 ns risetime
- Impedance: 105 ohms (G-S-G configuration)
- Near-end crosstalk: 3.2%
- Far-end crosstalk: 11.5%
- Crosstalk measured on adjacent lines, 1 ns risetime, 10 ft (3.05 m) length

Availability

100 ft (30.5 m)

May contain multiple lengths

28 AWG (0.09 mm ²)						
Stranding: 7/36 (7 x 0.13 mm) Insulation thickness: 0.010 (0.25 mm)						
Part No. Slate (AWM 2651)	Color Coded (AWM 20932)	Conductors	Width (W)		Span (S)	
			Inch	mm	Inch	mm
3580/9	3583/9	9	0.45	11.43	0.40	10.16
3580/10	3583/10	10	0.50	12.70	0.45	11.43
3580/14	3583/14	14	0.70	17.78	0.65	16.51
3580/15	3583/15	15	0.75	19.05	0.70	17.78
3580/16	3583/16	16	0.80	20.32	0.75	19.05
3580/20	3583/20	20	1.00	25.40	0.95	24.13
3580/24	3583/24	24	1.20	30.48	1.15	29.21
3580/25	3583/25	25	1.25	31.75	1.20	30.48
3580/26	3583/26	26	1.30	33.02	1.25	31.75
3580/34	3583/34	34	1.70	43.18	1.65	41.91
3580/37	3583/37	37	1.85	46.99	1.80	45.72
3580/40	3583/40	40	2.00	50.80	1.95	49.53
3580/50	3583/50	50	2.50	63.50	2.45	62.23
3580/60	3583/60	60	3.00	76.20	2.95	74.93
3580/64	3583/64	64	3.20	81.28	3.15	80.01



AUTHORISED REPRESENTATIVE:

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Techplace II (East Wing), Singapore 569876

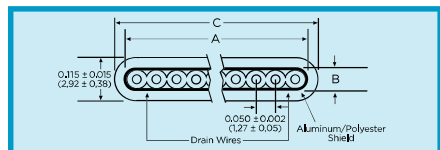
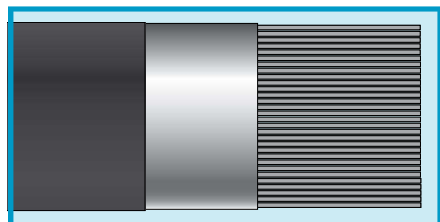
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Communication and Control

150 V, Jacketed, Foil Shield, Flat Cable, 0.050 (1.27 mm) Centerline



28 AWG (0.09 mm²)

Stranding: 7/36 (7 x 0.13 mm)
Insulation thickness: 0.010 (0.25 mm)

Part No.	Conductors	Nom. Core Width (A)		Nom. Jacket Width (C)	
		Inch	mm	Inch	mm
3590/10	10	0.50	12.70	0.57	14.48
3590/14	14	0.70	17.78	0.77	19.56
3590/16	16	0.80	20.32	0.87	22.10
3590/26	26	1.30	33.02	1.37	34.80

UL AWM 2912

UL Type CL2

Operating Temperature

- -20°C to +105°C

Materials

- Stranded tinned copper conductors
- Extruded slate PVC insulation with red polarity stripe
- Aluminum/polyester/aluminum foil shield
- Two 28 AWG (0.09 mm²) stranded tinned copper drain wires
- Slate PVC jacket, 0.030 (0.08 mm) thick

Electrical Characteristics

- Capacitance: 20 pF/ft (65.6 pF/m) nom. at 1 MHz
- Propagation delay: 1.45 ns/ft (4.8 ns/m) at 0.18 ns risetime
- Impedance: 70 ohms
- Near-end crosstalk: 5.5%
- Far-end crosstalk: 1.6%
- Crosstalk measured on adjacent lines, 3.5 ns risetime

Availability

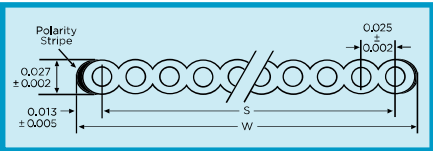
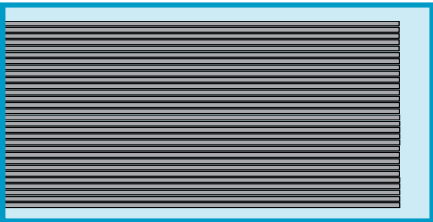
100 ft (30.5 m)

May contain multiple lengths



Communication and Control

150 V Unshielded, Flat Cable, 0.025 (0.64 mm) Centerline



30 AWG (0.05 mm²)					
Stranding: Solid Insulation thickness: 0.013 (0.33 mm)					
Part No.	Conductors	Width (W)		Span (S)	
		Inch	mm	Inch	mm
3582/26	26	0.65	16.51	0.625	15.88
3582/40	40	1.00	25.40	0.975	24.76
3582/50	50	1.25	31.75	1.225	31.15
3582/60	60	1.50	38.10	1.475	37.46

UL AWM 2678 VW-1

Operating Temperature

- 20°C to +105°C

Color

- Slate, with red polarity stripe on leading edge

Materials

- Solid bare copper conductors
- PVC insulation

Electrical Characteristics

- Capacitance:
24.9 pF/ft (82 pF/m) nom.
(G-S-G) at 1 kHz
14.3 pF/ft (47 pF/m) nom.
(G-S) at 1 kHz
- Propagation delay: 1.52 ns/ft
(4.9 ns/m)
- Impedance:
78 ohms (G-S-G single-ended configuration)
131 ohms nom. (G-S differential configuration)
- Skew: 0.036 ns/ft
(0.12 ns/m) max

Availability

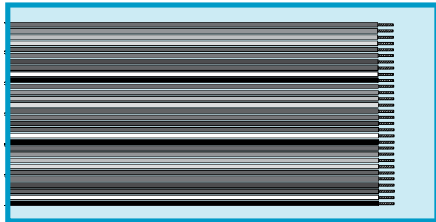
100 ft (30.5 m)

May contain multiple lengths



Hook-Up Wire

150/600 V Ribbon Cable, PVC



**MIL-DTL-16878/1 (Type B)
(600 V)
UL AWM 2713 (150 V) VW-1**

Operating Temperature

- -20°C to +105°C (MIL)
- -20°C to +80°C (AWM)

Conductor Color Coding

- Brown, red, orange, yellow, green, blue, violet, slate, white, black . . . repeats

Materials

- Stranded tinned copper conductors
- Color-coded PVC insulation bonded into a flat configuration

Availability

100 ft (30.5 m)

26 AWG (0.14 mm²)

Stranding: 7/34 (7 x 0.16 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.039 (0.99 mm)

Part No.	Conductors	Width	
		Inch	mm
3550	10	0.392	9.96
3550/14	14	0.546	13.87
3551	15	0.585	14.68
3551/16	16	0.624	15.85
3553	30	1.170	29.72

24 AWG (0.23 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.044 (1.12 mm)

Part No.	Conductors	Width	
		Inch	mm
3540/7	10	0.440	11.18
3541/7	15	0.660	16.76
3542/7	20	0.880	22.35

24 AWG (0.24 mm²)

Stranding: 19/36 (19 x 0.12 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.044 (1.12 mm)

Part No.	Conductors	Width	
		Inch	mm
3540	10	0.440	11.18
3541	15	0.660	16.76
3542	20	0.880	22.35
3543	30	1.320	33.53

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.050 (1.27 mm)

Part No.	Conductors	Width	
		Inch	mm
3530/7	10	0.500	12.70
3531/7	15	0.750	19.05
3532/7	20	1.000	25.40
3533/7	30	1.500	38.10

22 AWG (0.38 mm²)

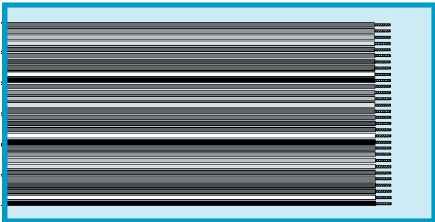
Stranding: 19/34 (19 x 0.16 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.051 (1.29 mm)

Part No.	Conductors	Width	
		Inch	mm
3530	10	0.510	12.95
3531	15	0.765	19.43
3532	20	1.020	25.91
3533	30	1.530	38.86



Hook-Up Wire

300/1000 V Ribbon Cable, PVC



**MIL-DTL-16878/2 (Type C)
(1000 V)
UL AWM 2555 (300 V)**

Operating Temperature

- -20°C to +105°C (MIL)
- -20°C to +80°C (AWM)

Conductor Color Coding

- Brown, red, orange, yellow, green, blue, violet, slate, white, black . . . repeats

Materials

- Stranded tinned copper conductors
- Color-coded PVC insulation bonded into a flat configuration

Availability

100 ft (30.5 m)

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)
Cable height: 0.065 (1.65 mm)

Part No.	Conductors	Width	
		Inch	mm
3505	5	0.310	7.87
3510	10	0.620	15.75
3515	15	0.930	23.62
3520	20	1.240	31.50

