UL 2576

-20°C to +80°C, 150V



Construction
Conductor: Tinned Copper · Stranded ASTM B33
Core Insulation: Extruded · SR-PVC
Cabling: Laid Up · Concentric lay
Core Identification: Color-coded per NEMA standard 30-conductor chart
Jacket: Extruded (Chrome Grey) · PVC

Thermal Characteristics
Operating Temperature: -20°C to +80°C

Electrical Characteristics
Operating Voltage: 150V

Application
Electronic Instrumentation, Medical & Audio/Control Systems: Low-voltage sensor arrays, test and measurement instruments, compact control panels, and high-pin-count electronic interconnects.

General Characteristics
Thin-Wall Space Saving: Compact thin-wall insulation reduces harness bundle diameter and overall weight.
EMC Braid & Foil Screening: High-coverage metallic shielding protects sensitive control and encoder circuits from electromagnetic interference.
Flexibility: Flexible construction facilitates routing, bending and installation where space is limited.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 2576 (150 V, 80°C).
CSA C22.2 No. 210: cUL AWM I/II A/B 80°C 150V FT1.

Fire Performance
Fire Retardant: VW-1 / FT1

UL 2576 — Unshielded Multi-Conductor (150V)

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Nom. Jkt. Thickness (mm)	Nom. O.D. (mm)		
2576-28/7-2C-TS-GY	2	28	7	0.127	0.20	0.65	2.86	239	10
2576-28/7-3C-TS-GY	3	28	7	0.127	0.20	0.65	2.98	239	12
2576-28/7-4C-TS-GY	4	28	7	0.127	0.20	0.65	3.19	239	14
2576-28/7-6C-TS-GY	6	28	7	0.127	0.20	0.65	3.64	239	20
2576-28/7-8C-TS-GY	8	28	7	0.127	0.20	0.65	3.87	239	24
2576-28/7-10C-TS-GY	10	28	7	0.127	0.20	0.65	4.42	239	30
2576-28/7-12C-TS-GY	12	28	7	0.127	0.20	0.65	4.54	239	34
2576-28/7-15C-TS-GY	15	28	7	0.127	0.20	0.65	4.97	239	41
2576-28/7-25C-TS-GY	25	28	7	0.127	0.20	0.65	6.06	239	65
2576-26/7-2C-TS-GY	2	26	7	0.16	0.20	0.70	3.16	150	13
2576-26/7-3C-TS-GY	3	26	7	0.16	0.20	0.70	3.30	150	16
2576-26/7-4C-TS-GY	4	26	7	0.16	0.20	0.70	3.53	150	19
2576-26/7-6C-TS-GY	6	26	7	0.16	0.20	0.70	4.04	150	27
2576-26/7-8C-TS-GY	8	26	7	0.16	0.20	0.70	4.30	150	33
2576-26/7-10C-TS-GY	10	26	7	0.16	0.20	0.70	4.92	150	42

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CABLES FOR EXTREMES

UL 2576

-20°C to +80°C, 150V



UL 2576 — Unshielded Multi-Conductor (150V)

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Nom. Jkt. Thickness (mm)	Nom. O.D. (mm)		
2576-26/7-12C-TS-GY	12	26	7	0.16	0.20	0.70	5.06	150	47
2576-26/7-15C-TS-GY	15	26	7	0.16	0.20	0.70	5.54	150	58
2576-26/7-25C-TS-GY	25	26	7	0.16	0.20	0.70	6.77	150	91
2576-26/7-36C-TS-GY	36	26	7	0.16	0.20	0.70	7.74	150	126
2576-24/7-2C-TS-GY	2	24	7	0.203	0.22	0.75	3.60	94.2	18
2576-24/7-3C-TS-GY	3	24	7	0.203	0.22	0.75	3.77	94.2	22
2576-24/7-4C-TS-GY	4	24	7	0.203	0.22	0.75	4.04	94.2	27
2576-24/7-6C-TS-GY	6	24	7	0.203	0.22	0.75	4.65	94.2	39
2576-24/7-8C-TS-GY	8	24	7	0.203	0.22	0.75	4.96	94.2	48
2576-24/7-10C-TS-GY	10	24	7	0.203	0.22	0.75	5.70	94.2	61
2576-24/7-12C-TS-GY	12	24	7	0.203	0.22	0.75	5.87	94.2	69
2576-24/7-15C-TS-GY	15	24	7	0.203	0.22	0.75	6.44	94.2	85
2576-24/7-25C-TS-GY	25	24	7	0.203	0.22	0.75	7.91	94.2	136
2576-22/7-2C-TS-GY	2	22	7	0.254	0.22	0.75	3.90	59.4	24
2576-22/7-3C-TS-GY	3	22	7	0.254	0.22	0.75	4.09	59.4	30
2576-22/7-4C-TS-GY	4	22	7	0.254	0.22	0.75	4.40	59.4	38
2576-22/7-6C-TS-GY	6	22	7	0.254	0.22	0.75	5.10	59.4	54
2576-22/7-8C-TS-GY	8	22	7	0.254	0.22	0.75	5.46	59.4	67
2576-22/7-10C-TS-GY	10	22	7	0.254	0.22	0.75	6.30	59.4	86
2576-22/7-12C-TS-GY	12	22	7	0.254	0.22	0.75	6.49	59.4	98

Table Notes

* "-TS-GY" = Stranded tinned copper conductor, Chrome Grey PVC jacket.

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UL 2576

-20°C to +80°C, 150V



UL 2576 — Foil Shielded Multi-Conductor (+AL, 150V)

Construction

Conductor: Tinned Copper · Stranded ASTM B33
Core Insulation: Extruded · SR-PVC
Cabling: Laid Up · Concentric lay
Core Identification: Color-coded per NEMA standard 30-conductor chart
Shield: Foil · Aluminum/Mylar Foil Tape (100% coverage)
Drain Wire: Stranded Tinned Copper Drain Wire
Jacket: Extruded (Chrome Grey) · PVC

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Nom. Jkt. Thickness (mm)	Nom. O.D. (mm)		
2576-28/7-2C-AL-TS-GY	2	28	7	0.127	0.20	0.65	2.98	239	11
2576-28/7-3C-AL-TS-GY	3	28	7	0.127	0.20	0.65	3.10	239	13
2576-28/7-4C-AL-TS-GY	4	28	7	0.127	0.20	0.65	3.31	239	16
2576-28/7-6C-AL-TS-GY	6	28	7	0.127	0.20	0.65	3.76	239	22
2576-28/7-8C-AL-TS-GY	8	28	7	0.127	0.20	0.65	3.99	239	26
2576-28/7-10C-AL-TS-GY	10	28	7	0.127	0.20	0.65	4.54	239	33
2576-28/7-12C-AL-TS-GY	12	28	7	0.127	0.20	0.65	4.66	239	37
2576-28/7-15C-AL-TS-GY	15	28	7	0.127	0.20	0.65	5.09	239	45
2576-28/7-25C-AL-TS-GY	25	28	7	0.127	0.20	0.65	6.18	239	70
2576-26/7-2C-AL-TS-GY	2	26	7	0.16	0.20	0.70	3.28	150	15
2576-26/7-3C-AL-TS-GY	3	26	7	0.16	0.20	0.70	3.42	150	18
2576-26/7-4C-AL-TS-GY	4	26	7	0.16	0.20	0.70	3.65	150	21
2576-26/7-6C-AL-TS-GY	6	26	7	0.16	0.20	0.70	4.16	150	29
2576-26/7-8C-AL-TS-GY	8	26	7	0.16	0.20	0.70	4.42	150	36
2576-26/7-10C-AL-TS-GY	10	26	7	0.16	0.20	0.70	5.04	150	46
2576-26/7-12C-AL-TS-GY	12	26	7	0.16	0.20	0.70	5.18	150	51
2576-26/7-15C-AL-TS-GY	15	26	7	0.16	0.20	0.70	5.66	150	62
2576-26/7-25C-AL-TS-GY	25	26	7	0.16	0.20	0.70	6.89	150	98
2576-26/7-36C-AL-TS-GY	36	26	7	0.16	0.20	0.70	7.86	150	135
2576-24/7-2C-AL-TS-GY	2	24	7	0.203	0.22	0.75	3.72	94.2	20
2576-24/7-3C-AL-TS-GY	3	24	7	0.203	0.22	0.75	3.89	94.2	25
2576-24/7-4C-AL-TS-GY	4	24	7	0.203	0.22	0.75	4.16	94.2	30
2576-24/7-6C-AL-TS-GY	6	24	7	0.203	0.22	0.75	4.77	94.2	42

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UL 2576

-20°C to +80°C, 150V



UL 2576 — Foil Shielded Multi-Conductor (+AL, 150V)

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Nom. Jkt. Thickness (mm)	Nom. O.D. (mm)		
2576-24/7-8C-AL-TS-GY	8	24	7	0.203	0.22	0.75	5.08	94.2	52
2576-24/7-10C-AL-TS-GY	10	24	7	0.203	0.22	0.75	5.82	94.2	66
2576-24/7-12C-AL-TS-GY	12	24	7	0.203	0.22	0.75	5.99	94.2	75
2576-24/7-15C-AL-TS-GY	15	24	7	0.203	0.22	0.75	6.56	94.2	92
2576-24/7-25C-AL-TS-GY	25	24	7	0.203	0.22	0.75	8.03	94.2	145
2576-22/7-2C-AL-TS-GY	2	22	7	0.254	0.22	0.75	4.02	59.4	26
2576-22/7-3C-AL-TS-GY	3	22	7	0.254	0.22	0.75	4.21	59.4	33
2576-22/7-4C-AL-TS-GY	4	22	7	0.254	0.22	0.75	4.52	59.4	41
2576-22/7-6C-AL-TS-GY	6	22	7	0.254	0.22	0.75	5.22	59.4	58
2576-22/7-8C-AL-TS-GY	8	22	7	0.254	0.22	0.75	5.58	59.4	72
2576-22/7-10C-AL-TS-GY	10	22	7	0.254	0.22	0.75	6.42	59.4	92
2576-22/7-12C-AL-TS-GY	12	22	7	0.254	0.22	0.75	6.61	59.4	105

Table Notes

* "-AL-TS-GY" = 100% Aluminum/Mylar foil shield with stranded tinned copper drain wire.

COLOR CODE CHART					
Cond. #	Color	Cond. #	Color	Cond. #	Color
1	Black	11	Light Blue/Black Stripe	21	Orange/Green Stripe
2	White	12	Black/White Stripe	22	Black
3	Green	13	Red/White Stripe	23	White
4	Red	14	Green/White Stripe	24	Green
5	Orange	15	Light Blue/White Stripe	25	Red
6	Light Blue	16	Black/Red Stripe	26	Orange
7	White/Black Stripe	17	White/Red Stripe	27	Light Blue
8	Red/Black Stripe	18	Orange/Red Stripe	28	White/Black Stripe
9	Green/Black Stripe	19	Light Blue/Red Stripe	29	Red/Black Stripe
10	Orange/Black Stripe	20	Red/Green Stripe	30	Green/Black Stripe

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