UL 2587

-20°C to +90°C, 600V



Construction
Conductor: Tinned Copper · Stranded ASTM B33
Core Insulation: Extruded · PVC
Cabling: Laid Up · Concentric lay
Core Identification: Color-coded per NEMA standard chart (or numbered black cores on request)
Jacket: Extruded (Black / Grey) · PVC

Thermal Characteristics
Operating Temperature: -20°C to +90°C

Electrical Characteristics
Operating Voltage: 600V

Application
600V Industrial Control Panels, Machinery & Conveyors: Interconnection of industrial machinery, motor control centers (MCC), automated conveyors, and 600 V plant control circuits.

General Characteristics
Mechanical Strength: Provides mechanical strength to withstand handling and installation stresses and help maintain cable integrity.
Abrasion & Cut-Through Resistance: Tough insulation compound resists pinch, cut-through, and mechanical wear against chassis edges.
EMC Braid & Foil Screening: High-coverage metallic shielding protects sensitive control and encoder circuits from electromagnetic interference.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 2587 (600 V, 90°C).
CSA C22.2 No. 210: cUL AWM I/II A/B 90°C 600V FT1.

Fire Performance
Fire Retardant: VW-1 / FT1

UL 2587 — Unshielded Multi-Conductor (600V)

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)		
2587-18/16-2C-TS-BK	2	18	16	0.254	0.41	1.15	6.32	23.9	59
2587-18/16-3C-TS-BK	3	18	16	0.254	0.41	1.15	6.64	23.9	74
2587-18/16-4C-TS-BK	4	18	16	0.254	0.41	1.15	7.16	23.9	92
2587-18/16-5C-TS-BK	5	18	16	0.254	0.41	1.15	7.73	23.9	112
2587-18/16-7C-TS-BK	7	18	16	0.254	0.41	1.15	8.33	23.9	143
2587-18/16-9C-TS-BK	9	18	16	0.254	0.41	1.15	9.54	23.9	186
2587-18/16-12C-TS-BK	12	18	16	0.254	0.41	1.15	10.66	23.9	240
2587-18/16-18C-TS-BK	18	18	16	0.254	0.41	1.15	12.36	23.9	344
2587-18/16-25C-TS-BK	25	18	16	0.254	0.41	1.15	14.56	23.9	478
2587-16/26-2C-TS-BK	2	16	26	0.254	0.41	1.20	7.04	15.0	82
2587-16/26-3C-TS-BK	3	16	26	0.254	0.41	1.20	7.41	15.0	105
2587-16/26-4C-TS-BK	4	16	26	0.254	0.41	1.20	8.01	15.0	132
2587-16/26-5C-TS-BK	5	16	26	0.254	0.41	1.20	8.66	15.0	160
2587-16/26-7C-TS-BK	7	16	26	0.254	0.41	1.20	9.36	15.0	207
2587-16/26-9C-TS-BK	9	16	26	0.254	0.41	1.20	10.75	15.0	269

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		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Nom. Jkt. Thickness (mm)	Nom. O.D. (mm)		
2587-16/26-12C-TS-BK	12	16	26	0.254	0.41	1.20	12.05	15.0	351
2587-16/26-18C-TS-BK	18	16	26	0.254	0.41	1.20	14.01	15.0	507
2587-14/41-2C-TS-BK	2	14	41	0.254	0.45	1.35	8.26	9.45	120
2587-14/41-3C-TS-BK	3	14	41	0.254	0.45	1.35	8.70	9.45	156
2587-14/41-4C-TS-BK	4	14	41	0.254	0.45	1.35	9.43	9.45	197
2587-14/41-5C-TS-BK	5	14	41	0.254	0.45	1.35	10.21	9.45	239
2587-14/41-7C-TS-BK	7	14	41	0.254	0.45	1.35	11.04	9.45	313
2587-14/41-9C-TS-BK	9	14	41	0.254	0.45	1.35	12.71	9.45	407
2587-14/41-12C-TS-BK	12	14	41	0.254	0.45	1.35	14.26	9.45	532
2587-12/65-2C-TS-BK	2	12	65	0.254	0.50	1.50	9.72	5.94	178
2587-12/65-3C-TS-BK	3	12	65	0.254	0.50	1.50	10.26	5.94	233
2587-12/65-4C-TS-BK	4	12	65	0.254	0.50	1.50	11.13	5.94	296
2587-12/65-5C-TS-BK	5	12	65	0.254	0.50	1.50	12.07	5.94	362
2587-12/65-7C-TS-BK	7	12	65	0.254	0.50	1.50	13.08	5.94	476

Table Notes

* "-TS-BK" = Stranded tinned copper conductor, Black PVC outer jacket.

UL 2587 — Foil + Braid Shielded Multi-Conductor (+AB, 600V)

Construction

Conductor: Tinned Copper · Stranded ASTM B33
Core Insulation: Extruded · PVC
Cabling: Laid Up · Concentric lay
Core Identification: Color-coded per NEMA standard chart (or numbered black cores on request)
Shield: Foil Braid · Aluminum/Mylar Foil (100%) + Tinned Copper Braid (≥85%)
Drain Wire: Stranded Tinned Copper Drain Wire
Jacket: Extruded (Black / Grey) · PVC

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Nom. Jkt. Thickness (mm)	Braid Coverage (%)	Nom. O.D. (mm)	Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)						
2587-18/16-2C-AB-TS-BK	2	18	16	0.254	0.41	1.15	85	6.97	23.9	82

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UL 2587 — Foil + Braid Shielded Multi-Conductor (+AB, 600V)

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Nom. Jkt. Thickness (mm)	Braid Coverage (%)	Nom. O.D. (mm)	Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)						
2587-18/16-3C-AB-TS-BK	3	18	16	0.254	0.41	1.15	85	7.29	23.9	101
2587-18/16-4C-AB-TS-BK	4	18	16	0.254	0.41	1.15	85	7.81	23.9	124
2587-18/16-5C-AB-TS-BK	5	18	16	0.254	0.41	1.15	85	8.38	23.9	148
2587-18/16-7C-AB-TS-BK	7	18	16	0.254	0.41	1.15	85	8.98	23.9	187
2587-18/16-9C-AB-TS-BK	9	18	16	0.254	0.41	1.15	85	10.19	23.9	241
2587-18/16-12C-AB-TS-BK	12	18	16	0.254	0.41	1.15	85	11.31	23.9	309
2587-18/16-18C-AB-TS-BK	18	18	16	0.254	0.41	1.15	85	13.01	23.9	438
2587-18/16-25C-AB-TS-BK	25	18	16	0.254	0.41	1.15	85	15.21	23.9	605
2587-16/26-2C-AB-TS-BK	2	16	26	0.254	0.41	1.20	85	7.69	15.0	111
2587-16/26-3C-AB-TS-BK	3	16	26	0.254	0.41	1.20	85	8.06	15.0	139
2587-16/26-4C-AB-TS-BK	4	16	26	0.254	0.41	1.20	85	8.66	15.0	173
2587-16/26-5C-AB-TS-BK	5	16	26	0.254	0.41	1.20	85	9.31	15.0	208
2587-16/26-7C-AB-TS-BK	7	16	26	0.254	0.41	1.20	85	10.01	15.0	267
2587-16/26-9C-AB-TS-BK	9	16	26	0.254	0.41	1.20	85	11.40	15.0	345
2587-16/26-12C-AB-TS-BK	12	16	26	0.254	0.41	1.20	85	12.70	15.0	446
2587-16/26-18C-AB-TS-BK	18	16	26	0.254	0.41	1.20	85	14.66	15.0	639
2587-14/41-2C-AB-TS-BK	2	14	41	0.254	0.45	1.35	85	8.91	9.45	159
2587-14/41-3C-AB-TS-BK	3	14	41	0.254	0.45	1.35	85	9.35	9.45	203
2587-14/41-4C-AB-TS-BK	4	14	41	0.254	0.45	1.35	85	10.08	9.45	254

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UL 2587 — Foil + Braid Shielded Multi-Conductor (+AB, 600V)

CASMO Part No.	Total Cores	Conductor			Nom. Ins. Thickness (mm)	Nom. Jkt. Thickness (mm)	Braid Coverage (%)	Nom. O.D. (mm)	Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)						
2587-14/41-5C-AB-TS-BK	5	14	41	0.254	0.45	1.35	85	10.86	9.45	308
2587-14/41-7C-AB-TS-BK	7	14	41	0.254	0.45	1.35	85	11.69	9.45	399
2587-14/41-9C-AB-TS-BK	9	14	41	0.254	0.45	1.35	85	13.36	9.45	516
2587-14/41-12C-AB-TS-BK	12	14	41	0.254	0.45	1.35	85	14.91	9.45	670
2587-12/65-2C-AB-TS-BK	2	12	65	0.254	0.50	1.50	85	10.37	5.94	232
2587-12/65-3C-AB-TS-BK	3	12	65	0.254	0.50	1.50	85	10.91	5.94	300
2587-12/65-4C-AB-TS-BK	4	12	65	0.254	0.50	1.50	85	11.78	5.94	378
2587-12/65-5C-AB-TS-BK	5	12	65	0.254	0.50	1.50	85	12.72	5.94	459
2587-12/65-7C-AB-TS-BK	7	12	65	0.254	0.50	1.50	85	13.73	5.94	600

Table Notes

* "-AB-TS-BK" = 100% Aluminum/Mylar foil + ≥85% tinned copper braid shield with 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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