UL 20668

-30°C to +90°C, 300V



Construction
Conductor: Tinned Copper · Stranded
Core Insulation: Extruded · SR-PVC
Cabling: Laid Up · Concentric lay
Core Identification: Color-coded per NEMA WC 57 / ICEA S-73-532 Table E-2
Binder: Non-woven tape
Jacket: Extruded (Matte Black standard) · PUR/TPU

Thermal Characteristics
Operating Temperature: -30°C to +90°C
Occasional Flexing Temperature: -5°C to +80°C

Electrical Characteristics
Operating Voltage: 300V
Test Voltage: 2000V / 1 min

Application
Sensors and Instrumentation: For connections between sensors, measuring instruments and associated control equipment.
Industrial Automation: For power, signal or control connections within industrial automation systems, as specified for the selected cable construction.

General Characteristics
Oil Resistance: Resistant to oil exposure, helping maintain the integrity of the cable covering in oily environments.
Abrasion Resistance: Resistant to abrasion, helping protect the cable surface against wear caused by rubbing and handling.
Mechanical Strength: Provides mechanical strength to withstand handling and installation stresses and help maintain cable integrity.
Flexibility: Flexible construction facilitates routing, bending and installation where space is limited.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 20668 (300 V, 90°C).
CSA C22.2 No. 210: cRU Recognized AWM I/II A/B 90°C 300V FT1 / FT2.

Fire Performance
Fire Retardant: VW-1 / FT1 / FT2

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)		
1241022C26-TS2-XX	2	26	7	0.16	0.22	0.80	3.8	150	14
1241023C26-TS2-XX	3	26	7	0.16	0.22	0.80	3.9	150	16
1241024C26-TS2-XX	4	26	7	0.16	0.22	0.80	4.2	150	19
1241026C26-TS2-XX	6	26	7	0.16	0.22	0.80	4.7	150	25
1241028C26-TS2-XX	8	26	7	0.16	0.22	0.80	5.0	150	30
12410212C26-TS2-XX	12	26	7	0.16	0.22	0.80	5.8	150	41
1241022C24-TS2-XX	2	24	7	0.203	0.23	0.80	4.1	94.2	17
1241023C24-TS2-XX	3	24	7	0.203	0.23	0.80	4.2	94.2	20
1241024C24-TS2-XX	4	24	7	0.203	0.23	0.80	4.5	94.2	24
1241026C24-TS2-XX	6	24	7	0.203	0.23	0.80	5.2	94.2	33
1241028C24-TS2-XX	8	24	7	0.203	0.23	0.80	5.5	94.2	40
12410212C24-TS2-XX	12	24	7	0.203	0.23	0.80	6.5	94.2	55
1241022C22-TS2-XX	2	22	7	0.254	0.23	0.80	4.4	59.4	21

Product illustrations are representative only and nominal values are for reference (Cal. Com. Code § 2313); binding acceptance is governed by CASMO's order acknowledgment, signed drawing, and applicable agency scope. Standards cited without a corresponding agency mark indicate design/test reference only. Specifications are subject to change; confirm latest revision and Terms of Sale at casmocable.com/terms.
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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)		
1241023C22-TS2-XX	3	22	7	0.254	0.23	0.80	4.6	59.4	26
1241024C22-TS2-XX	4	22	7	0.254	0.23	0.80	4.9	59.4	31
1241026C22-TS2-XX	6	22	7	0.254	0.23	0.80	5.7	59.4	42
1241028C22-TS2-XX	8	22	7	0.254	0.23	0.80	6.0	59.4	53
12410212C22-TS2-XX	12	22	7	0.254	0.23	0.80	7.1	59.4	74
1241022C20-TS2-XX	2	20	26	0.16	0.25	0.80	4.8	36.7	26
1241023C20-TS2-XX	3	20	26	0.16	0.25	0.80	5.0	36.7	33
1241024C20-TS2-XX	4	20	26	0.16	0.25	0.80	5.4	36.7	40
1241026C20-TS2-XX	6	20	26	0.16	0.25	0.80	6.3	36.7	56
1241028C20-TS2-XX	8	20	26	0.16	0.25	0.80	6.7	36.7	70
1241022C18-TS2-XX	2	18	41	0.16	0.28	0.85	5.5	23.9	35
1241023C18-TS2-XX	3	18	41	0.16	0.28	0.85	5.8	23.9	46
1241024C18-TS2-XX	4	18	41	0.16	0.28	0.85	6.3	23.9	57
1241026C18-TS2-XX	6	18	41	0.16	0.28	0.85	7.3	23.9	80
1241022C16-TS2-XX	2	16	65	0.16	0.30	0.90	6.3	15.0	49
1241023C16-TS2-XX	3	16	65	0.16	0.30	0.90	6.6	15.0	65
1241024C16-TS2-XX	4	16	65	0.16	0.30	0.90	7.2	15.0	82

Table Notes

* "-TS2-" = tinned copper conductor with FT2 flame rating (standard). "-TS1-" = tinned copper conductor with VW-1 / FT1 flame rating (optional).

† "-XX" = outer jacket color code: BK Black (standard), GY Grey, OR Orange, YW Yellow, BL Blue, RD Red. Custom jacket colors and core legends available on request.

COLOR CODE CHART

Cond. #	Color	Cond. #	Color	Cond. #	Color
1	Black	5	Orange	9	Green/Black Stripe
2	White	6	Blue	10	Orange/Black Stripe
3	Red	7	White/Black Stripe	11	Blue/Black Stripe
4	Green	8	Red/Black Stripe	12	Black/White Stripe

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