UL 20668 SHIELDED TP

-30°C to +90°C, 300V



Construction
Conductor: Tinned Copper · Stranded
Core Insulation: Extruded · SR-PVC
Cabling: Twisted · Cores twisted into pairs, pairs cabled together
Core Identification: Color-coded twisted pairs per Standard Paired Color Chart (Chart A)
Binder: Non-woven tape
Shield: Foil Braid · Aluminum/polyester (Al/PET) foil (100%) + Tinned Copper Braid (≥85%)
Drain Wire: Stranded Tinned Copper Drain Wire
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.
EMI / RFI Shielding: 100% aluminum/polyester (Al/PET) foil plus ≥85% tinned-copper braid shield provides broadband EMI/RFI protection in electrically noisy automation environments.

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

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.

© CASMO CABLE LLC. All rights reserved. UL®, cUL®, and UL certification marks are trademarks of UL LLC; CSA® is a trademark of CSA Group; TÜV Rheinland® is a trademark of TÜV Rheinland AG.

casmocable
CABLES FOR EXTREMES

UL 20668 SHIELDED TP

-30°C to +90°C, 300V



CASMO Part No.	Core Configuration	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)						
1241151P26-TS2-XX	1 × 2	26	7	0.16	0.22	0.80	85	4.4	150	31
1241152P26-TS2-XX	2 × 2	26	7	0.16	0.22	0.80	85	5.4	150	43
1241153P26-TS2-XX	3 × 2	26	7	0.16	0.22	0.80	85	5.8	150	50
1241154P26-TS2-XX	4 × 2	26	7	0.16	0.22	0.80	85	6.2	150	57
1241156P26-TS2-XX	6 × 2	26	7	0.16	0.22	0.80	85	7.0	150	71
1241151P24-TS2-XX	1 × 2	24	7	0.203	0.23	0.80	85	4.7	94.2	35
1241152P24-TS2-XX	2 × 2	24	7	0.203	0.23	0.80	85	5.9	94.2	50
1241153P24-TS2-XX	3 × 2	24	7	0.203	0.23	0.80	85	6.3	94.2	60
1241154P24-TS2-XX	4 × 2	24	7	0.203	0.23	0.80	85	6.8	94.2	70
1241156P24-TS2-XX	6 × 2	24	7	0.203	0.23	0.80	85	7.7	94.2	89
1241151P22-TS2-XX	1 × 2	22	7	0.254	0.23	0.80	85	5.0	59.4	41
1241152P22-TS2-XX	2 × 2	22	7	0.254	0.23	0.80	85	6.4	59.4	60
1241153P22-TS2-XX	3 × 2	22	7	0.254	0.23	0.80	85	6.9	59.4	73
1241154P22-TS2-XX	4 × 2	22	7	0.254	0.23	0.80	85	7.4	59.4	85
1241156P22-TS2-XX	6 × 2	22	7	0.254	0.23	0.80	85	8.4	59.4	111
1241151P20-TS2-XX	1 × 2	20	26	0.16	0.25	0.85	85	5.6	36.7	49
1241152P20-TS2-XX	2 × 2	20	26	0.16	0.25	0.85	85	7.1	36.7	74

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.

© CASMO CABLE LLC. All rights reserved. UL®, cUL®, and UL certification marks are trademarks of UL LLC; CSA® is a trademark of CSA Group; TÜV Rheinland® is a trademark of TÜV Rheinland AG.

UL 20668 SHIELDED TP

-30°C to +90°C, 300V



CASMO Part No.	Core Configuration	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)						
1241153P20-TS2-XX	3 × 2	20	26	0.16	0.25	0.85	85	7.7	36.7	91
1241154P20-TS2-XX	4 × 2	20	26	0.16	0.25	0.85	85	8.3	36.7	108

Table Notes

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

§ Part No. pair code: "NP" = N twisted pairs (2N total conductors, e.g. 6P = 6 twisted pairs / 12 cores). "-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
Pair 1	Black / Red	Pair 3	Black / Green	Pair 5	Black / Brown
Pair 2	Black / White	Pair 4	Black / Blue	Pair 6	Black / Yellow

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.

© CASMO CABLE LLC. All rights reserved. UL®, cUL®, and UL certification marks are trademarks of UL LLC; CSA® is a trademark of CSA Group; TÜV Rheinland® is a trademark of TÜV Rheinland AG.