CASPUR 80

-20°C to +80°C, 300V



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

Thermal Characteristics
Operating Temperature: -20°C to +80°C
Occasional Flexing Temperature: -5°C to +70°C

Electrical Characteristics
Operating Voltage: 300V
Test Voltage: 1500V / 1 min

Application
Signal and Control Connections: For signal transmission and control connections within industrial machinery and 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.
Hydrolysis Resistance: Resistant to hydrolytic degradation, helping maintain material integrity during exposure to moisture.
Flexibility: Flexible construction facilitates routing, bending and installation where space is limited.

Standards & Approvals
ASTM B33: Fine-stranded tinned annealed copper conductors per ASTM B33.
NEMA WC 57 / ICEA S-73-532: Core color identification per Method 1, Table E-2 (NEMA WC 57 / ICEA S-73-532).

RoHS COMPLIANT REACH COMPLIANT

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)		
1240282C20-TS-XX	2	20	26	0.16	0.23	0.80	4.7	36.7	25
1240283C20-TS-XX	3	20	26	0.16	0.23	0.85	5.1	36.7	33
1240284C20-TS-XX	4	20	26	0.16	0.23	0.85	5.4	36.7	40
1240285C20-TS-XX	5	20	26	0.16	0.23	0.90	5.9	36.7	49
1240287C20-TS-XX	7	20	26	0.16	0.23	0.90	6.4	36.7	64
1240282C18-TS-XX	2	18	41	0.16	0.35	0.85	5.8	23.9	38
1240283C18-TS-XX	3	18	41	0.16	0.35	0.90	6.2	23.9	50
1240284C18-TS-XX	4	18	41	0.16	0.35	0.95	6.8	23.9	63
1240285C18-TS-XX	5	18	41	0.16	0.35	1.00	7.4	23.9	77
1240287C18-TS-XX	7	18	41	0.16	0.35	1.05	8.1	23.9	101
1240282C16-TS-XX	2	16	65	0.16	0.40	0.95	6.8	15.0	54
1240283C16-TS-XX	3	16	65	0.16	0.40	1.00	7.3	15.0	72
1240284C16-TS-XX	4	16	65	0.16	0.40	1.05	8.0	15.0	92

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)		
1240285C16-TS-XX	5	16	65	0.16	0.40	1.10	8.7	15.0	112
1240287C16-TS-XX	7	16	65	0.16	0.40	1.15	9.5	15.0	148
1240282C14-TS-XX	2	14	41	0.254	0.45	1.05	8.0	9.45	78
1240283C14-TS-XX	3	14	41	0.254	0.45	1.10	8.5	9.45	105
1240284C14-TS-XX	4	14	41	0.254	0.45	1.15	9.4	9.45	135
1240285C14-TS-XX	5	14	41	0.254	0.45	1.20	10.3	9.45	165
1240287C14-TS-XX	7	14	41	0.254	0.45	1.35	11.4	9.45	223
1240282C12-TS-XX	2	12	65	0.254	0.50	1.20	9.5	5.94	114
1240283C12-TS-XX	3	12	65	0.254	0.50	1.30	10.2	5.94	158
1240284C12-TS-XX	4	12	65	0.254	0.50	1.35	11.2	5.94	202
1240285C12-TS-XX	5	12	65	0.254	0.50	1.40	12.2	5.94	246
1240287C12-TS-XX	7	12	65	0.254	0.50	1.50	13.5	5.94	331
1240282C10-TS-XX	2	10	105	0.254	0.60	1.40	11.5	3.75	175
1240283C10-TS-XX	3	10	105	0.254	0.60	1.50	12.4	3.75	243
1240284C10-TS-XX	4	10	105	0.254	0.60	1.60	13.7	3.75	314
1240285C10-TS-XX	5	10	105	0.254	0.60	1.70	15.1	3.75	387
1240287C10-TS-XX	7	10	105	0.254	0.60	1.80	16.6	3.75	521

Table Notes

* "-TS-" = fine-stranded tinned copper conductor ("-AS-" bare copper available upon request).

† "-XX" = outer jacket color code: BK Black (standard), GY Grey, OR Orange, YW Yellow. Standard core identification follows the NEMA WC 57 Color Code Chart below; custom core color codes and jacket legends are available upon request.

COLOR CODE CHART

Cond. #	Color	Cond. #	Color	Cond. #	Color
1	Black	4	Green	7	White/Black Stripe
2	White	5	Orange		
3	Red	6	Blue		

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