

MULTIPLUS-CP UL/CSA

Super flexible control cable screened with core (TPE) and outer sheath (PUR)
UL / CSA



Construction

Conductors:	Copper Bare, Class 6 Stranding
Insulation:	Thermoplastic Elastomers (TPE)
Jacket:	Polyurethane Rubber (PUR)
Sheath Color:	Gray (RAL 7001)
Jacket Color:	Black
Earth conductor:	Green/yellow

Features

- Super flexible construction
- Super fine strand bare copper conductors stranding acc. to VDE 0295 class 6
- Cores twisted in layers
- Microbe and hydrolysis-resistant, adhesion-free
- Halogen-free, flame retardant and self-extinguishing

Approvals

- UL
- CSA
- cURus 1000V 80°C
- VDE 0250/0285br halogen free acc. to IEC 60754-1

Technical details

Temperature range:	-50°C up to 90°C (static), -40°C up to 90°C (dynamic)
Voltage Rating:	IEC 600/1000, UL 600V
Min. bending radius:	4 x OD (static), 7.5 x OD (dynamic)
Insulation resistance:	min 20MΩ/km at 20°C

Application

For use in high temperature ranges due to the construction of the jacket and conductors. This cable is suitable for use in modern automated manufacturing systems without restriction for indoor and outdoor use in drag chains and motion drive systems.

Part Number	N. of Cores	Conductor mm2 (AWG)	OD mm (inch)	CU weight kg/100m (lbs/Mft)	CU weight kg/100m (lbs/Mft)
288020050UL	2	0.5 (20)	5.70 (0.22)	2.70 (18.20)	4.50 (30.30)
288020075UL	2	0.75 (18)	6.20 (0.24)	3.20 (21.50)	5.20 (35.00)
288020100UL	2	1 (17)	6.60 (0.26)	4.30 (28.90)	6.50 (43.70)
288020150UL	2	1.5 (16)	7.20 (0.28)	5.20 (35.00)	7.60 (51.10)
288030050UL	3	0.5 (20)	6.10 (0.24)	3.20 (21.50)	5.20 (35.00)
288030075UL	3	0.75 (18)	6.60 (0.26)	4.50 (30.30)	6.60 (44.40)
288030100UL	3	1 (17)	7.10 (0.28)	5.20 (35.00)	7.50 (50.50)
288030150UL	3	1.5 (16)	7.90 (0.31)	7.20 (48.40)	10.00 (67.30)
288030250UL	3	2.5 (12)	9.40 (0.37)	10.60 (71.30)	14.40 (96.90)
288040050UL	4	0.5 (20)	6.50 (0.26)	4.30 (28.90)	6.50 (43.70)
288040075UL	4	0.75 (18)	7.10 (0.28)	5.20 (35.00)	7.70 (51.80)
288040100UL	4	1 (17)	7.80 (0.31)	6.70 (45.10)	9.70 (65.30)
288040150UL	4	1.5 (16)	8.50 (0.33)	8.60 (57.90)	12.10 (81.40)
288040250UL	4	2.5 (12)	10.10 (0.40)	13.10 (88.10)	17.70 (119.10)
288050050UL	5	0.5 (20)	7.10 (0.28)	4.70 (31.60)	7.20 (48.40)
288050075UL	5	0.75 (18)	8.00 (0.31)	6.50 (43.70)	9.60 (64.60)
288050100UL	5	1 (17)	8.60 (0.34)	7.70 (51.80)	11.10 (74.70)
288050150UL	5	1.5 (16)	9.60 (0.38)	10.60 (71.30)	14.80 (99.60)
288050250UL	5	2.5 (12)	11.40 (0.45)	16.00 (107.70)	21.40 (144.00)
288070050UL	7	0.5 (20)	8.50 (0.33)	6.20 (41.70)	9.90 (66.60)
288070075UL	7	0.75 (18)	9.50 (0.37)	8.50 (57.20)	12.90 (86.80)
288070100UL	7	1 (17)	10.40 (0.41)	10.20 (68.60)	15.00 (100.90)
288070150UL	7	1.5 (16)	11.50 (0.45)	14.10 (94.90)	19.90 (133.90)
288070250UL	7	2.5 (12)	14.00 (0.55)	21.90 (147.40)	30.10 (202.5)
288120050UL	12	0.5 (20)	9.90 (0.39)	9.20 (61.90)	14.00 (94.20)
288120075UL	12	0.75 (18)	11.10 (0.44)	12.60 (84.80)	18.50 (124.5)
288120100UL	12	1 (17)	12.20 (0.48)	16.10 (108.30)	22.90 (154.10)
288120150UL	12	1.5 (16)	13.80 (0.54)	24.40 (164.20)	32.30 (217.30)
288120250UL	12	2.5 (12)	16.60 (0.65)	33.90 (228.10)	47.90 (322.30)
288180050UL	18	0.5 (20)	11.90 (0.47)	13.20 (88.80)	20.40 (137.30)
288180075UL	18	0.75 (18)	13.40 (0.53)	18.10 (121.80)	26.10 (175.60)
288180100UL	18	1 (17)	14.80 (0.58)	24.40 (164.20)	34.30 (230.80)
288180150UL	18	1.5 (16)	16.60 (0.65)	34.00 (228.80)	45.50 (306.10)
288180250UL	18	2.5 (12)	19.80 (0.78)	49.20 (331.10)	68.50 (460.90)
288250050UL	25	0.5 (20)	14.10 (0.55)	19.10 (128.50)	28.60 (192.40)
288250075UL	25	0.75 (18)	15.80 (0.62)	26.10 (175.60)	37.50 (252.30)
288250100UL	25	1 (17)	17.30 (0.68)	33.10 (222.70)	46.20 (310.90)
288250150UL	25	1.5 (16)	19.60 (0.77)	46.10 (310.20)	62.00 (417.20)
288250250UL	25	2.5 (12)	23.60 (0.93)	67.40 (453.50)	98.10 (660.10)
288360050UL	36	0.5 (20)	14.90 (0.59)	21.90 (147.40)	37.00 (249.00)
288360075UL	36	0.75 (18)	18.10 (0.71)	31.50 (211.90)	49.60 (333.70)
288360150UL	36	1.5 (16)	22.30 (0.88)	58.80 (395.60)	84.40 (567.90)
288420075UL	42	0.75 (18)	19.60 (0.77)	36.30 (244.20)	57.90 (389.60)
288420150UL	42	1.5 (16)	24.20 (0.95)	67.90 (456.90)	97.80 (658.00)