

## MULTIPLUS-P UL/CSA

### Super flexible control cable UL / CSA



#### Construction

Conductors:	Copper Bare, Class 6 Stranding
Insulation:	Thermoplastic Elastomers (TPE)
Jacket:	Polyurethane Rubber (PUR)
Jacket Color:	Gray or black

#### Features

- Super flexible construction
- Super fine strand bare copper conductors acc. to VDE 0295 class 6
- TPE-E or PP core insulation black with continuous white number imprint + earth conductor
- Cores twisted in layers
- PUR with rip cord
- Microbe and hydrolysis-resistant, adhesion-free
- Halogen-free and flame retardant (IEC 60332-1)
- Oil Resistant acc. DIN EN resp. IEC 60811-404 168h/100°C
- Designed for 5-10 million bending/unbending cycles in cable chain applications

#### Approvals

- UL
- CSA
- cURus 1000V 80°C

#### Technical details

Temperature range:	-50°C up to 90°C (static), -40°C up to 90°C (dynamic)
Voltage Rating:	1000 V AC UL/cUL 600V
Min. bending radius:	4 x OD (static), 6.5 x OD (dynamic)

#### Application

For use in high temperature ranges due to the construction of the outer jacket and conductors. This cable is suitable for use in modern automated manufacturing systems without restriction for indoor and outdoor use. For high electrical and mechanical requirements in drag chains, motion drive systems, conveyor and crane applications. Can be used in dry and humid areas.

Part Number	N. of Cores	Conductor mm2 (AWG)	OD mm (inch)	CU weight kg/100m (lbs/Mft)	CU weight kg/100m (lbs/Mft)
287020100UL	2	1 (17)	5.80 (023)	2.00 (13.50)	4.50 (30.30)
287030075UL	3	0.75 (18)	5.50 (0.22)	2.30 (15.50)	4.30 (28.90)
287030100UL	3	1 (17)	6.10 (0.24)	3.00 (20.20)	5.50 (37.00)
287030150UL	3	1.5 (16)	6.80 (0.27)	4.50 (30.30)	7.50 (50.50)
287030250UL	3	2.5 (12)	7.90 (0.31)	7.50 (50.50)	12.10 (81.40)
287040050UL	4	0.5 (20)	5.50 (0.22)	2.00 (13.50)	4.00 (26.90)
287040075UL	4	0.75 (18)	5.90 (0.23)	3.00 (20.20)	5.60 (37.70)
287040100UL	4	1 (17)	6.70 (0.26)	4.00 (26.91)	6.90 (46.40)
287040150UL	4	1.5 (16)	7.40 (0.29)	6.00 (40.40)	10.10 (68.00)
287040250UL	4	2.5 (12)	8.60 (0.34)	10.00 (67.30)	16.00 (107.70)
287040400UL	4	4 (12)	12.50 (0.49)	15.40 (103.60)	24.20 (162.80)

287040600UL	4	6 (10)	14.30 (0.56)	23.10 (155.40)	33.50 (225.4)
287041000UL	4	10 (8)	17.00 (0.67)	38.40 (258.40)	50.30 (338.4)
287041600UL	4	16 (6)	21.20 (0.83)	61.50 (413.80)	81.00 (545.00)
287042500UL	4	25 (4)	25.90 (1.02)	96.00 (645.9)	125.50 (844.40)
287050050UL	5	0.5 (20)	5.90 (0.23)	2.50 (16.80)	5.10 (34.30)
287050075UL	5	0.75 (18)	6.50 (0.26)	3.80 (25.60)	6.90 (46.40)
287050100UL	5	1 (17)	7.50 (0.30)	5.00 (33.60)	8.80 (59.20)
287050150UL	5	1.5 (16)	8.10 (0.32)	7.50 (50.50)	12.30 (82.80)
287050250UL	5	2.5 (12)	9.40 (0.37)	12.50 (84.10)	19.00 (127.80)
287050400UL	5	4 (12)	13.70 (0.54)	19.20 (129.20)	31.60 (212.60)
287050600UL	5	6 (10)	15.70 (0.62)	28.80 (193.80)	43.90 (295.40)
287051600UL	5	16 (6)	28.80 (1.13)	16.80 (113.00)	106.50 (716.60)
287052500UL	5	25 (4)	29.00 (1.14)	120.00 (807.40)	158.20 (1064.40)
287070050UL	7	0.5 (20)	6.89 (0.27)	3.50 (23.50)	6.90 (46.40)
287007075UL	7	0.75 (18)	7.40 (0.29)	5.30 (35.70)	9.10 (61.20)
287070100UL	7	1 (17)	8.40 (0.33)	7.00 (47.10)	14.50 (97.60)
287070150UL	7	1.5 (16)	9.40 (0.37)	10.50 (70.60)	17.00 (114.40)
287070250UL	7	2.5 (12)	11.00 (0.43)	17.50 (117.70)	26.50 (178.30)
287100250UL	10	2.5 (12)	13.70 (0.54)	25.00 (168.20)	36.80 (243.60)
287120050UL	12	0.5 (20)	10.00 (0.40)	6.00 (40.40)	12.30 (82.80)
287120075UL	12	0.75 (18)	11.50 (0.45)	9.00 (60.60)	17.00 (114.4)
287120100UL	12	1 (17)	12.40 (0.49)	12.00 (80.70)	21.20 (142.60)
287120150UL	12	1.5 (16)	14.50 (0.57)	18.00 (121.10)	30.30 (203.90)
287120250UL	12	2.5 (12)	17.20 (0.67)	30.00 (201.90)	41.10 (276.5)
287140250UL	14	2.5 (12)	19.40 (0.76)	35.00 (235.50)	47.60 (320.30)
287180050UL	18	0.5 (20)	12.30 (0.48)	9.00 (60.60)	18.30 (123.10)
287180750UL	18	0.75 (18)	14.10 (0.55)	13.50 (90.80)	29.90 (201.20)
287180100UL	18	1 (17)	15.90 (0.63)	18.00 (121.10)	32.90 (221.40)
287180150UL	18	1.5 (16)	18.20 (0.72)	27.00 (181.70)	40.40 (271.80)
287180250UL	18	2.5 (12)	21.30 (0.84)	45.00 (302.80)	60.70 (408.40)
287250050UL	25	0.5 (20)	14.30 (0.56)	12.50 (84.10)	26.40 (177.6)
287250075UL	25	0.75 (18)	16.20 (0.64)	18.80 (126.50)	36.40 (244.90)
287250100UL	25	1 (17)	18.00 (0.71)	25.00 (168.20)	46.00 (309.50)
287250150UL	25	1.5 (16)	20.20 (0.80)	37.50 (252.30)	62.80 (422.50)
287250250UL	25	2.5 (12)	23.90 (0.94)	62.50 (420.50)	83.70 (563.20)
287300050UL	30	0.5 (20)	16.80 (0.66)	18.00 (121.10)	34.90 (234.80)
287360050UL	36	0.5 (20)	16.80 (0.66)	18.00 (121.10)	34.90 (234.80)
287360075UL	36	0.75 (18)	18.60 (0.73)	27.00 (181.70)	63.10 (424.60)
287360100UL	36	1 (17)	21.90 (0.85)	36.00 (242.20)	64.20 (432.00)
287360150UL	36	1.5 (16)	25.20 (0.99)	54.00 (363.30)	72.90 (490.50)
287360250UL	36	2.5 (12)	29.10 (1.15)	90.00 (605.60)	119.80 (806.10)
287420100UL	42	1 (17)	23.50 (0.93)	42.00 (282.60)	74.20 (499.30)
287420150UL	42	1.5 (16)	26.60 (1.05)	63.00 (423.90)	105.20 (707.80)