

PUR-SINGLE polyurethane - 1kV



PUR-SINGLE is a European, 1000 volt, VDE approved, polyurethane flexible single-conductor wire. Recommended for installation in switch cabinets, cable assemblies and electronic equipment. Also well suited for installation in inductive loop signaling equipment and other installations requiring zero halogen and added resistance to mechanical stress. The rugged halogen-free PUR jacket makes this single core resistant to oil, petrol, sea water, waste water, acids, lye and UV radiation.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Special polyurethane core insulation
- Cores to VDE-0293 colors on chart

Technical:

- Working voltage: 1000 volts
- Test voltage: 3500v for 15 minutes
- Flexing bending radius: 5 x Ø
- Static bending radius: 10 x Ø
- Flexing temp: -30° C to +80° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

Approvals:

- VDE-0281
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm2 34020**	1	.087" / 2.2mm	3	5
18 AWG (24/32) 0,75mm2 34018**	1	.094" / 2.4mm	5	7
17 AWG (32/32) 1,00mm2 34017**	1	.102" / 2.6mm	7	9
16 AWG (30/30) 1,50mm2 34016**	1	.118" / 3.0mm	9	13
14 AWG (50/30) 2,50mm2 34014**	1	.146" / 3.7mm	16	21
12 AWG (56/28) 4,0mm2 34012**	1	.169" / 4.3mm	25	30
10 AWG (84/28) 6,0mm2 34010**	1	.201" / 5.1mm	39	44
8 AWG (80/26) 10,0mm2 34008**	1	.268" / 6.8mm	64	77
6 AWG (128/26) 16,0mm2 34006**	1	.307" / 7.8mm	103	124
4 AWG (200/26) 25,0mm2 34004**	1	.398" / 10.1mm	161	187
2 AWG (280/26) 35,0mm2 34002**	1	.449" / 11.4mm	225	245
1 AWG (400/26) 50,0mm2 34001**	1	.520" / 13.2mm	322	335
2/0 AWG (356/24) 70,0mm2 34021**	1	.606" / 15.4mm	451	463
3/0 AWG (485/24) 95,0mm2 34031**	1	.697" / 17.7mm	612	624
4/0 AWG (614/24) 120,0mm2 34041**	1	.756" / 19.2mm	733	754
300 MCM (765/24) 150,0mm2 340300**	1	.866" / 22.0mm	966	999

Color Code Chart

- 00 - Green/Yellow
- 01 - Black
- 02 - Blue (RAL5015)
- 03 - Brown
- 04 - Red
- 05 - White
- 06 - Gray
- 07 - Violet
- 08 - Pink
- 09 - Orange
- 10 - Transparent
- 11 - Yellow
- 12 - Green
- 13 - Beige
- 14 - Dark Blue (RAL5010)

Insert a 2-digit color code from the Color Code Chart for the ** found at the end of the proper part number.
i.e. - 3402003 - PUR, 20 AWG (0,50mm2) Brown.

* Additional AWG sizes & colors may be available.