

# ÖLFLEX® POWER TPR 90 MC

Flexible power cables



**Info**

- Highly flexible
- Oil- and UV-resistant



**Benefits**

- Ideal alternative for H07RN-F with improve characteristics
- Highly flexible TPR insulated/sheathed multi-core cable

**Application range**

- Connection of electrical equipment, drills, boilers, etc.
- For transportable motors or machines
- Suitable for power application

**Product features**

- Flame retardant acc. to AS/NZS 1660.5.6 resp. to IEC 60332-1-2
- Oil resistant acc. to IEC 60811-2-1
- UV-resistant outer sheath for outdoor application

**Approvals (Norm references)**



**Product Make-up**

- Extra fine strands of bare copper wires
- TPR core insulation
- TPR outer sheath, black

**Technical data**

- Core identification code**  
acc. to VDE 0293-308
- Based on**  
AS/NZS 5000.1
- Specific insulation resistance**  
> 20 GOhm x cm
- Conductor stranding**  
Fine wire acc. to AS/NZS 1125 Cl.5 / IEC 60228 Cl. 5
- Minimum bending radius**  
occasional flexing: 15 x cable diameter  
fixed installation: 5 x cable diameter
- Nominal voltage**  
U<sub>0</sub>/U: 600/1000 V
- Test voltage**  
3500 V
- Temperature range**  
-30 °C to +90 °C

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>2 Core</b>				
3802900	2 x 1.5	11.2	28.8	121
3802901	2 x 2.5	12.2	48.0	159
3802902	2 x 4	13.4	76.8	218
3802903	2 x 6	14.7	115.2	302
3802904	2 x 10	16.9	192.0	573
3802905	2 x 16	19.4	307.2	766
3802906	2 x 25	23.1	480.0	1142
3802907	2 x 35	25.8	672.0	1483
<b>Full Earth</b>				
3801900	2x1+E	11.1	29.0	121
3801901	2x1.5+E	11.8	43.0	159
3801902	2x2.5+E	12.9	72.0	218
3802910	2x4+E	14.2	115.2	281
3802911	2x6+E	15.6	172.8	392
3802912	2x10+E	17.9	288.0	725
3802913	2x16+E	20.6	460.8	991
3802914	2x25+E	24.6	720.0	1479
3802915	2x35+E	27.5	1,008.0	1927
3802916	2x50+E	32.5	1,440.0	2649
3802917	2x70+E	36.7	2,016.0	3467
3802918	2x95+E	42.3	2,736.0	4315
3802919	2x120+E	46.6	3,456.0	5376
3801911	3x1+E	12.0	38.0	180
3801912	3x1.5+E	12.8	58.0	219
3801913	3x2.5+E	14.0	96.0	287
3802924	3x4+E	15.5	153.6	354
3802925	3x6+E	17.1	230.4	495
3802926	3x10+E	19.7	384.0	921
3802927	3x16+E	22.6	614.4	1249
3802928	3x25+E	27.1	960.0	1879
3802929	3x35+E	30.6	1,344.0	2449
3802930	3x50+E	36.1	1,920.0	3380
3802931	3x70+E	40.9	2,688.0	4427
3802932	3x95+E	47.3	3,648.0	5550
3801926	4x1.5+E	13.8	72.0	261
3801927	4x 2.5+E	15.2	120.0	349
3802938	4x4+E	16.9	192.0	438

Article number	Number of pairs/conductor cross section (mm²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3802939	4x6+E	18.6	288.0	610
3802940	4x10+E	21.6	480.0	1120
3802941	4x16+E	24.9	768.0	1533
3802942	4x25+E	30.1	1,200.0	2300
3802943	4x35+E	34.2	1,680.0	3016
3802944	4x50+E	40.2	2,400.0	4154
3802945	4x70+E	45.5	3,360.0	5461
3801940	6x1.5+E	14.9	100.8	330
3801942	11x1.5+E	19.3	172.8	567
3801947	17x1.5+E	22.5	259.2	811
3801948	26x1.5+E	26.9	388.8	1177
3801949	35x1.5+E	30.3	518.4	1525
3801941	6x2.5+E	16.5	168.0	445
3801943	11x2.5+E	21.5	288.0	760
<b>Reduced Earth</b>				
3801903	2x4+2.5E	13.9	101.0	287
3801904	2x6+2.5E	14.7	139.0	370
3801905	2x10+4E	16.7	230.0	719
3801906	2x16+6E	18.9	365.0	945
3801907	2x25+6E	21.7	538.0	1383
3801908	2x35+10E	24.4	768.0	1780
3801914	3x4+2.5E	15.1	139.0	365
3801915	3x6+2.5E	16.3	197.0	481
3801916	3x10+4E	18.7	326.0	847
3801917	3x16+6E	21.3	518.0	1148
3801918	3x25+6E	24.7	778.0	1659
3801919	3x35+10E	26.9	1,104.0	2190
3801920	3x50+16E	32.7	1,594.0	3012
3801921	3x70+25E	37.6	2,256.0	3975
3801928	4x4+2.5E	16.6	178.0	453
3801929	4x6+2.5E	17.9	254.0	598
3801930	4x10+4E	20.6	422.0	1045
3801931	4x16+6E	23.6	672.0	1463
3801932	4x25+ 6E	27.7	1,018.0	2083
3801933	4x35+10E	31.6	1,440.0	2738
3801934	4x50+16E	37.2	2,074.0	3796
3801935	4x70+25E	42.4	2,990.0	5471

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs are not to scale and do not represent detailed images of the respective products.

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