



Designed for wiring inside buildings these cables can be used in dry, damp or wet areas and installed in, on or under plaster, brickwork or concrete.

Not suitable for laying in shaken, vibrated or compressed concrete, for outdoor use only if protected against direct sunlight.

Construction

solid or stranded plain copper conductor
PVC (polyvinylchloride) core insulation
cores stranded in layers with inner sheath
grey special PVC (TM1) outer sheath

Technical

conductor stranding: according to VDE 0295 class 1 or class 2
RE = solid round conductor,
RM = stranded round conductor

bend radius: 6 x overall diameter

voltage rating: 300/500V operating, 2000V test

current rating: see NYM & (N)YM(St) chart

temperature range: -5°C to +70°C operating

standards: construction generally according to VDE0250 T.204
flame retardant according to EN 50265-2-1, IEC 60332-1

core identification: 1-2 cores = coloured to VDE 0293 without green/yellow earth
3+ cores = coloured to VDE 0293 including green/yellow earth

Conductors			Cable Overall	
Number of	Area (mm ²)	Strand Type	Diameter (mm)	Weight (kg/km)
1	1.5	RE	5.4	45
3	1.5	RE	9.1	135
4	1.5	RE	9.9	160
5	1.5	RE	11.0	190
7	1.5	RE	11.5	235
10	1.5	RE	13.5	335
12	1.5	RE	15.5	400

Continued from previous page:

Conductors			Cable Overall	
Number of	Area (mm ²)	Strand Type	Diameter (mm)	Weight (kg/km)
1	2.5	RE	6.3	70
3	2.5	RE	10.5	190
4	2.5	RE	11.5	230
5	2.5	RE	12.5	270
7	2.5	RE	13.7	350
1	4.0	RE	6.7	80
3	4.0	RE	11.9	265
4	4.0	RE	13.5	330
5	4.0	RE	15.5	410
1	6.0	RE	7.8	105
3	6.0	RE	13.4	315
4	6.0	RE	15.5	460
5	6.0	RE	16.5	540
1	10.0	RE	8.4	155
4	10.0	RE	18.5	690
5	10.0	RE	20.5	850
1	16.0	RM	9.9	230
4	16.0	RM	22.5	1090
5	16.0	RM	24.4	1350
1	25.0	RM	11.7	330
4	25.0	RM	27.0	1640
5	25.0	RM	29.5	1990
4	35.0	RM	31.0	2090

Polyvinylchloride (PVC) Properties: These compounds are self-extinguishing with fair abrasive resistance, good resistance to water, aqueous salt solutions, acids and alkalis, moderate/poor resistance against organic solvents and oils. Oil resistant versions are commonly available.

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