



Construction:

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| 1. Conductor | : solid or stranded bare copper. |
| 2. Insulation | : core insulation of cross-linked polyethylene. |
| 3. Inner covering | : core covering of a halogen-free filling compound. |
| 4. Outer sheath | : outer sheath of halogen-free polymer, grey (RAL 7001). |

Properties:

- Halogen free.
- Fire retardant.
- Low smoke generation.
- No emission of corrosive gases.

Technical data and tests:

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| Nominal voltage U_0/U | : 300/500 V. |
| Test voltage | : 2000 V (A.C.). |
| Temp. range in motion | : -5° C till +70° C. |
| Operating temp. | : 160° C (short circuit). |
| Short circuit time (max.) | : 5 sec. |
| Bending radius | : min. 4 x diameter.
max. 12 x diameter. |
| Laying temperature | : -5°C... +70°C. |

Standards:

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|------------------------|---|
| Cable standard | : DIN VDE 0250-214. |
| Conductor construction | : DIN EN 60228 class 1 and 2. |
| Core identification | : HD 308 S2. |
| Fire retardancy | : EN 50266-2-4, EN 60332-1, IEC 60332-3 cat. C. |
| Outer sheath | : DIN VDE 0250-214. |
| Insulation | : DIN VDE 0250-214 |

Applications:

These halogen-free cables are used as energy, utility and lighting cables in dry, moist and wet rooms, for permanent installation above, on, in and beneath plaster, not directly into earth also for outdoor applications where lots of human life and material assets need to be protected in industrial constructions, schools, hospitals, shopping and cultural centers, energy plants, airports, metros. In case of fire, these cables inhibit the propagation of the flames whereby the development of smoke is extremely low. No corrosive gases are emitted in the event of fire.





DIMENSIONS

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. Mm	Calorific potential kWh / m	Weight appr. kg / km	Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. Mm	Calorific potential kWh / m	Weight appr. kg / km
2x1,5	30	1x1,38	8,7	0,39	113	4x10	400	1x3,56	16,5	1,29	606
2x2,5	50	1x1,38	9,5	0,45	145	4x16 RM	640	7x1,70	19,4	1,68	917
3x1,5	45	1x1,38	9,1	0,43	130	5x1,5	75	1x1,38	10,4	0,59	177
3x2,5	75	1x1,78	9,9	0,50	168	5x2,5	125	1x1,78	11,5	0,69	241
3x4	120	1x2,25	11,2	0,63	234	5x4	200	1x2,25	13,5	0,96	352
3x6	180	1x2,76	12,7	0,79	319	5x6	300	1x2,76	15,3	1,16	485
3x10	300	1x3,56	15,3	1,09	494	5x10	500	1x3,56	18,0	1,56	731
4x1,5	60	1x1,38	9,7	0,50	152	5x16 RM	800	7x1,70	22,2	2,23	1.168
4x2,5	100	1x1,78	10,6	0,58	201	7x1,5	105	1x1,38	11,1	0,65	220
4x4	160	1x2,25	12,5	0,83	296	7x2,5	175	1x1,78	12,7	0,82	311
4x6	240	1x2,76	13,7	0,92	388	12x1,5	180	1x1,38	14,8	1,11	391

RM=Round conductor, Multi wire.

Any other sizes available on request.

