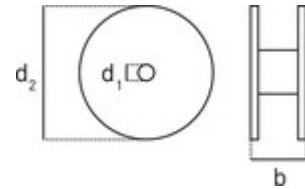


Product Description



Application range

- Laying in tubes, exposed and buried in plaster and in closed installation ducts
- For direct laying on racks, troughs and tubes only as equipotential binding conductor

Design

- Fine strands of bare copper wires
- Core insulation: Based on PVC

Product features

- Flame retardant according to IEC 60332-1-2
- Spool: $d_1=18\text{mm}$; $d_2=200\text{ mm}$; $b=85\text{ mm}$



Technical Data

Approvals

HD 21/VDE 0281

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC

60228 Class 5

Minimum bending radius

Acc. to HD 516 at 20 ±10 °C cable temperature

OD ≤ 8mm: 4 x OD*/2 x OD**

8 < OD ≤ 12mm: 5 x OD*/3 x OD**

OD > 12mm: 6 x OD*/4 x OD**

Rated voltage

U0/U: 450/750 V

Test voltage

2500 V

Current rating

VDE 0298 Part 4

HD 516

Range of temperature

Static: -30°C up to +80°C

Article List

Part number	Conductor cross section in mm ²	Outer diameter in mm	Wire colour	m/Spool	Copper index kg/km	Weight kg/km	m/Coil
4520001S	1,5	3.4	greenyellow	150	14.4	22	
4520011S	1,5	3.4	black	150	14.4	22	
4520021S	1,5	3.4	blue	150	14.4	22	
4520141S	1,5	3.4	dark-blue	150	14.4	22	
4520031S	1,5	3.4	brown	150	14.4	22	
4520111S	1,5	3.4	yellow	150	14.4	22	
4520121S	1,5	3.4	green	150	14.4	22	
4520071S	1,5	3.4	purple	150	14.4	22	
4520041S	1,5	3.4	red	150	14.4	22	
4520051S	1,5	3.4	white	150	14.4	22	
4520061S	1,5	3.4	grey	150	14.4	22	
4520002S	2,5	4.1	greenyellow	100	24.0	37	
4520012S	2,5	4.1	black	100	24.0	37	
4520022S	2,5	4.1	blue	100	24.0	37	
4520142S	2,5	4.1	dark-blue	100	24.0	37	
4520032S	2,5	4.1	brown	100	24.0	37	
4520112S	2,5	4.1	yellow	100	24.0	37	
4520122S	2,5	4.1	green	100	24.0	37	
4520042S	2,5	4.1	red	100	24.0	37	



4520052S	2,5	4.1	white	100	24.0	37	
4520062S	2,5	4.1	grey	100	24.0	37	
4520001	1,5	3.4	greenyellow		14.4	22	100
4520011	1,5	3.4	black		14.4	22	100
4520021	1,5	3.4	blue		14.4	22	100
4520141	1,5	3.4	dark-blue		14.4	22	100
4520031	1,5	3.4	brown		14.4	22	100
4520111	1,5	3.4	yellow		14.4	22	100
4520121	1,5	3.4	green		14.4	22	100
4520071	1,5	3.4	purple		14.4	22	100
4520081	1,5	3.4	Pink		14.4	22	100
4520041	1,5	3.4	red		14.4	22	100
4520051	1,5	3.4	white		14.4	22	100
4520061	1,5	3.4	grey		14.4	22	100
4520161	1,5	3.4	ultramarine blue		14.4	22	100
4520002	2,5	4.1	greenyellow		24.0	37	100
4520012	2,5	4.1	black		24.0	37	100
4520022	2,5	4.1	blue		24.0	37	100
4520142	2,5	4.1	dark-blue		24.0	37	100
4520032	2,5	4.1	brown		24.0	37	100
4520112	2,5	4.1	yellow		24.0	37	100
4520122	2,5	4.1	green		24.0	37	100
4520072	2,5	4.1	purple		24.0	37	100
4520082	2,5	4.1	Pink		24.0	37	100
4520042	2,5	4.1	red		24.0	37	100
4520052	2,5	4.1	white		24.0	37	100
4520062	2,5	4.1	grey		24.0	37	100
4520162	2,5	4.1	ultramarine blue		24.0	37	100
4520003	4	4.8	greenyellow		38.0	45	100
4520013	4	4.8	black		38.0	45	100
4520023	4	4.8	blue		38.0	45	100
4520143	4	4.8	dark-blue		38.0	45	100
4520033	4	4.8	brown		38.0	45	100
4520113	4	4.8	yellow		38.0	45	100
4520123	4	4.8	green		38.0	45	100
4520073	4	4.8	purple		38.0	45	100
4520043	4	4.8	red		38.0	45	100
4520053	4	4.8	white		38.0	45	100
4520063	4	4.8	grey		38.0	45	100
4520163	4	4.8	ultramarine blue		38.0	45	100
4520004	6	5.3	greenyellow		58.0	71	100



4520014	6	5.3	black		58.0	71	100
4520024	6	5.3	blue		58.0	71	100
4520144	6	5.3	dark-blue		58.0	71	100
4520034	6	5.3	brown		58.0	71	100
4520114	6	5.3	yellow		58.0	71	100
4520124	6	5.3	green		58.0	71	100
4520074	6	5.3	purple		58.0	71	100
4520094	6	5.3	orange		58.0	71	100
4520044	6	5.3	red		58.0	71	100
4520054	6	5.3	white		58.0	71	100
4520064	6	5.3	grey		58.0	71	100
4520164	6	5.3	ultramarine blue		58.0	71	100
4520005	10	6.8	greenyellow		96.0	120	100
4520015	10	6.8	black		96.0	120	100
4520025	10	6.8	blue		96.0	120	100
4520145	10	6.8	dark-blue		96.0	120	100
4520035	10	6.8	brown		96.0	120	100
4520125	10	6.8	green		96.0	120	100
4520075	10	6.8	purple		96.0	120	100
4520095	10	6.8	orange		96.0	120	100
4520045	10	6.8	red		96.0	120	100
4520055	10	6.8	white		96.0	120	100
4520065	10	6.8	grey		96.0	120	100
4520165	10	6.8	ultramarine blue		96.0	120	100
4520006	16	8.1	greenyellow		153.6	187	
4520016	16	8.1	black		153.6	187	
4520026	16	8.1	blue		153.6	187	
4520146	16	8.1	dark-blue		153.6	187	
4520036	16	8.1	brown		153.6	187	
4520126	16	8.1	green		153.6	187	
4520076	16	8.1	purple		153.6	187	
4520096	16	8.1	orange		153.6	187	
4520046	16	8.1	red		153.6	187	
4520056	16	8.1	white		153.6	187	
4520066	16	8.1	grey		153.6	187	
4520166	16	8.1	ultramarine blue		153.6	187	
4521001	25	10.2	greenyellow		240.0	290	
4521011	25	10.2	black		240.0	290	
4521021	25	10.2	blue		240.0	290	
4521141	25	10.2	dark-blue		240.0	290	
4521031	25	10.2	brown		240.0	290	



4521121	25	10.2	green		240.0	290	
4521091	25	10.2	orange		240.0	290	
4521041	25	10.2	red		240.0	290	
4521051	25	10.2	white		240.0	290	
4521061	25	10.2	grey		240.0	290	
4521002	35	11.7	greenyellow		336.0	399	
4521012	35	11.7	black		336.0	399	
4521022	35	11.7	blue		336.0	399	
4521142	35	11.7	dark-blue		336.0	399	
4521032	35	11.7	brown		336.0	399	
4521042	35	11.7	red		336.0	399	
4521122	35	11.7	green		336.0	399	
4521092	35	11.7	orange		336.0	399	
4521062	35	11.7	grey		336.0	399	
4521003	50	13.9	greenyellow		480.0	559	
4521013	50	13.9	black		480.0	559	
4521023	50	13.9	blue		480.0	559	
4521033	50	13.9	brown		480.0	559	
4521093	50	13.9	orange		480.0	559	
4521043	50	13.9	red		480.0	559	
4521063	50	13.9	grey		480.0	559	
4521004	70	16.0	greenyellow		672.0	776	
4521014	70	16.0	black		672.0	776	
4521024	70	16.0	blue		672.0	776	
4521034	70	16.0	brown		672.0	776	
4521044	70	16.0	red		672.0	776	
4521005	95	18.2	greenyellow		912.0	1031	
4521015	95	18.2	black		912.0	1031	
4521025	95	18.2	blue		912.0	1031	
4521006	120	20.2	greenyellow		1152.0	1285	
4521016	120	20.2	black		1152.0	1285	
4521026	120	20.2	blue		1152.0	1285	
4521046	120	20.2	red		1152.0	1285	
4521166	120	20.2	ultramarine blue		1152.0	1285	
4521007	150	22.5	greenyellow		1440.0	1563	
4521017	150	22.5	black		1440.0	1563	
4521008	185	24.9	greenyellow		1776.0	1915	
4521018	185	24.9	black		1776.0	1915	
4521028	185	24.9	blue		1776.0	1915	
4521009	240	28.4	greenyellow		2304.0	2550	
4521019	240	28.4	black		2304.0	2550	



4520091	1,5	3.4	orange		14.4	22	100
4520091S	1,5	3.4	orange	150	14.4	22	
4520092	2,5	4.1	orange		24.0	37	100
4520092S	2,5	4.1	orange	100	24.0	37	
4520093	4	4.8	orange		38.0	45	100

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Packaging size: Coil ≤ 30 kg, otherwise drum

Photographs are not to scale and do not represent detailed images of the respective products.

*at conventional usage, **at cautious bending; "OD" = outer diameter