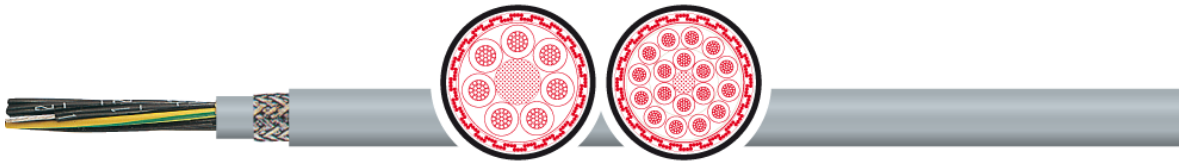




300/500V, shielded, HAR, CPR Eca

**APPLICATION**

power, control and connecting cable in electrical facilities for lossless data and signal transmission, fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid, wet rooms (also water-oil mixture). Outdoor use only with UV-protection, no laying underground.

**SPECIAL FEATURES**

- increased resistance to oil by special PVC outer sheath, largely resistant to acids and bases acc. to EN 50363-4-1
- additional mechanical protection by inner sheath
- EMC compliant shielding
- HAR-approval for Europe

**PRODUCT DETAILS****DESIGN**

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	PVC
Core identification	acc. to DIN VDE 0293 black cores with white numerals; G = with GNYE
Stranding	stranded in layers
Inner sheath material	PVC
Overall shield	copper braid tinned, coverage approx. 85 %
Outer sheath material	PVC
Sheath colour	grey, RAL 7001

**ELECTRICAL PROPERTIES**

Rated voltage AC IEC	U <sub>0</sub> /U: 300/500 V
Testing voltage	3 kV
Conductor resistance	acc. to IEC 60228 cl. 5
Insulation resistance	min. 20 MΩ x km
Current carrying capacity	acc. to. DIN VDE, see technical Guidelines

**MECHANICAL & DYNAMIC PROPERTIES**

Min. bending radius fixed	6 x d
Min. bending radius moved	12,5 x d

**THERMAL PROPERTIES**

Operat. temp. fixed min./max. [°C]	-40 °C / +70 °C
Operat. temp. moved min/max [°C]	-5 °C / +70 °C
Temp. at conductor in operation max [°C]	+70 °C in operation; +150 °C in case of short-circuit

## PROPERTIES IN CASE OF FIRE

## Burning behavior

self-extinguishing &amp; flame-retardant acc.to IEC 60332-1

## STANDARDS &amp; APPROVALS

## Standard

EN 50525-2-51 / VDE 0285-525-2-51

## Approvals

HAR

## ITEM OVERVIEW

**H05VVC4V5-K**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003451	2 X 0,5	7,7 - 9,6	30,0	92,0
1003457	3 G 0,5	8,0 - 10,0	36,0	109,0
1000229	4 G 0,5	8,5 - 10,7	58,0	126,0
1003458	5 G 0,5	9,3 - 11,6	63,0	156,0
1001745	6 G 0,5	9,9 - 12,4	67,0	176,0
1000245	7 G 0,5	10,8 - 13,5	70,0	192,0
1003202	12 G 0,5	13,3 - 16,5	105,0	280,0
1003460	18 G 0,5	15,1 - 18,6	137,0	405,0
1003463	25 G 0,5	17,7 - 21,7	210,0	532,0
1003466	34 G 0,5	20,2 - 24,7	298,0	634,0
1003468	50 G 0,5	23,7 - 29,0	470,0	970,0
1003472	60 G 0,5	25,5 - 31,1	530,0	1.173,0
1001013	2 X 0,75	8,0 - 10,0	46,0	102,0
1002299	3 G 0,75	8,3 - 10,4	48,0	130,0
1000231	4 G 0,75	9,1 - 11,3	55,0	164,0
1000241	5 G 0,75	9,7 - 12,1	66,0	189,0
1000246	7 G 0,75	11,5 - 14,3	85,0	247,0
1000208	12 G 0,75	13,9 - 17,2	135,0	327,0
1000214	18 G 0,75	16,2 - 19,9	190,0	470,0
1000217	25 G 0,75	18,7 - 23,0	275,0	643,0
1000222	34 G 0,75	21,4 - 26,2	340,0	821,0
1003473	41 G 0,75	23,9	390,0	970,0
1000239	50 G 0,75	25,4 - 31,1	582,0	1.160,0
1003474	61 G 0,75	27,0 - 33,0	679,0	1.402,0
1003475	65 G 0,75	31,2	708,0	1.504,0
1003488	2 X 1	8,2 - 10,3	48,0	114,0
1000226	3 G 1	8,8 - 11,0	59,0	143,0
1000233	4 G 1	9,4 - 11,7	70,0	175,0
1000242	5 G 1	10,3 - 12,8	84,0	205,0
1000247	7 G 1	12,2 - 15,1	106,0	264,0
1000209	12 G 1	14,7 - 18,1	174,0	420,0
1000212	18 G 1	16,9 - 20,8	240,0	561,0
1000220	25 G 1	19,8 - 24,2	332,0	792,0
1000223	34 G 1	22,6 - 27,7	420,0	996,0
1003489	41 G 1	25,2 - 26,8	578,0	1.155,0
1000240	50 G 1	26,9 - 32,8	728,0	1.300,0
1001314	60 G 1	28,6 - 34,9	773,0	1.475,0
1003490	61 G 1	28,6 - 34,9	883,0	1.500,0
1003491	65 G 1	32,4	914,0	1.510,0
1003492	2 X 1,5	9,3 - 11,6	69,0	146,0
1000227	3 G 1,5	9,7 - 12,1	75,0	176,0
1000234	4 G 1,5	10,7 - 13,2	90,0	207,0
1000243	5 G 1,5	11,8 - 14,7	108,0	268,0
1000248	7 G 1,5	14,1 - 17,4	157,0	418,0
1000210	12 G 1,5	16,7 - 20,5	240,0	500,0
1000213	18 G 1,5	19,6 - 24,1	355,0	707,0
1000218	25 G 1,5	22,9 - 28,0	448,0	950,0
1000224	34 G 1,5	26,5 - 32,4	754,0	1.204,0
1003493	41 G 1,5	28,4 - 31,9	805,0	1.453,0
1003026	50 G 1,5	31,3 - 38,2	1.033,0	1.663,0
1003495	61 G 1,5	33,3 - 40,6	1.238,0	1.852,0
1003496	65 G 1,5	38,1	1.296,0	1.971,0
1003497	2 X 2,5	10,7 - 13,3	81,0	190,0
1000228	3 G 2,5	11,3 - 14,0	104,0	240,0
1000235	4 G 2,5	12,6 - 15,5	163,0	323,0
1000244	5 G 2,5	13,9 - 17,2	175,0	364,0
1000249	7 G 2,5	16,5 - 20,3	235,0	439,0

**H05VVC4V5-K**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1000211	12 G 2,5	19,9 - 24,4	375,0	744,0
1000215	18 G 2,5	23,3 - 28,5	522,0	1.052,0
1000221	25 G 2,5	28,2 - 30,6	897,0	1.375,0
1003498	34 G 2,5	32,1 - 34,4	1.179,0	1.892,0
1003511	41 G 2,5	36,0	1.473,0	2.286,0
1003520	50 G 2,5	38,5	1.660,0	2.673,0