



USE OF CABLE

power, control and connecting cable for lossless data and signal transmission in electrical facilities, for fixed laying and casually movement 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 & UL 1581 T50.182
- additional mechanical protection by inner sheath
- EMC compliant shielding
- due to UL/CSA approval up to 600 V parallel laying with other cables with identical current voltage is permitted
- international approvals (HAR/UL/CSA)

REMARKS

- conform to RoHS
 - conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
 - LABS-/silicone-free (during production)
 - up to 2,5 mm²: MULTINORM H05VV5-F HAR/UL/CSA
 - special versions, other dimensions, core and jacket colours according to your specifications on request.
- from 4 mm²: 2-NORM (H)05VV5-F UL/CSA

PRODUCT INFORMATION

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
Shield3:	Copper braid tinned; coverage approx. 85 %
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7001
Rated voltage:	HAR: Uo/U 300/500 V; UL/CSA: 600 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, s. techn. Guideline
Min. bending radius fixed:	6 x d
Min. bending radius moved:	12,5 x d
Operat. temp. fixed min/max:	HAR: -40 °C / +70 °C; UL/CSA: -40 °C / +90 °C
Operat. temp. moved min/max:	HAR: -5 °C / +70 °C; UL/CSA: -5 °C / +90 °C
Temp. at conductor:	+70 °C in operation; +150 °C in case of short-circuit
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1; VW1; CSA FT1
Standard:	EN 50525-2-51 / VDE 0285-525-2-51; UL-Style 2517/2587 und CSA C22.2 No. 210.2-M90 AWM I A/B II A/B
Approvals:	HAR: 300/500 V - 70 °C UL/CSA 600 V - 90 °C

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003536	2 X 0,5 (AWG 21)	7,7	30,00	90,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003537	3 G 0,5 (AWG 21)	8,4	42,00	105,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003538	4 G 0,5 (AWG 21)	9,0	51,00	123,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000068	5 G 0,5 (AWG 21)	9,8	56,00	147,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000049	7 G 0,5 (AWG 21)	11,3	75,00	195,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003539	12 G 0,5 (AWG 21)	13,6	124,00	276,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003540	18 G 0,5 (AWG 21)	15,8	166,00	418,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003541	25 G 0,5 (AWG 21)	18,6	196,00	504,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003542	34 G 0,5 (AWG 21)	20,8	242,00	632,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003543	41 G 0,5 (AWG 21)	24,7	351,00	750,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA

MULTINORM-CY H05VVC4V5-K ... HAR/UL/CSA, 2-NORM-CY (H)05VVC4V5-K ... UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003544	50 G 0,5 (AWG 21)	25,7	398,00	968,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003545	61 G 0,5 (AWG 21)	27,6	447,00	1068,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1001606	2 X 0,75 (AWG 19)	8,3	41,00	112,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000039	3 G 0,75 (AWG 19)	8,8	50,00	127,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000232	4 G 0,75 (AWG 19)	9,6	61,00	155,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000045	5 G 0,75 (AWG 19)	10,4	69,00	185,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000050	7 G 0,75 (AWG 19)	12,2	93,00	225,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000036	12 G 0,75 (AWG 19)	14,3	166,00	354,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1002828	18 G 0,75 (AWG 19)	16,1	257,00	517,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003546	25 G 0,75 (AWG 19)	19,6	319,00	678,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000038	34 G 0,75 (AWG 19)	22,6	360,00	805,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003547	41 G 0,75 (AWG 19)	25,8	454,00	908,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003548	50 G 0,75 (AWG 19)	27,5	541,00	1155,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003549	61 G 0,75 (AWG 19)	30,0	628,00	1400,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1002904	2 X 1 (AWG 18)	8,5	48,00	121,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000040	3 G 1 (AWG 18)	9,5	61,00	144,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000042	4 G 1 (AWG 18)	10,1	76,00	178,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000046	5 G 1 (AWG 18)	11,0	85,00	205,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000051	7 G 1 (AWG 18)	13,1	113,00	263,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000037	12 G 1 (AWG 18)	15,6	195,00	424,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003550	18 G 1 (AWG 18)	18,0	256,00	560,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003551	25 G 1 (AWG 18)	21,2	342,00	760,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003552	34 G 1 (AWG 18)	23,8	447,00	945,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003553	41 G 1 (AWG 18)	27,3	575,00	1151,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003554	50 G 1 (AWG 18)	28,8	666,00	1300,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003555	61 G 1 (AWG 18)	31,7	780,00	1500,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003557	2 X 1,5 (AWG 16)	9,4	69,00	158,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000041	3 G 1,5 (AWG 16)	10,4	80,00	180,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000043	4 G 1,5 (AWG 16)	11,1	94,00	210,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000047	5 G 1,5 (AWG 16)	12,3	114,00	240,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000052	7 G 1,5 (AWG 16)	14,4	143,00	305,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1001721	12 G 1,5 (AWG 16)	17,4	254,00	482,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1002829	18 G 1,5 (AWG 16)	20,1	314,00	611,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003266	25 G 1,5 (AWG 16)	24,3	477,00	950,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003558	34 G 1,5 (AWG 16)	27,3	671,00	1200,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003559	41 G 1,5 (AWG 16)	29,3	777,00	1400,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003560	50 G 1,5 (AWG 16)	32,8	911,00	1665,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003561	61 G 1,5 (AWG 16)	34,7	1079,00	1852,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003562	2 X 2,5 (AWG 14)	11,1	81,00	210,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000230	3 G 2,5 (AWG 14)	12,3	115,00	244,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000044	4 G 2,5 (AWG 14)	13,5	141,00	296,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000048	5 G 2,5 (AWG 14)	14,8	188,00	367,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1001602	7 G 2,5 (AWG 14)	17,1	241,00	523,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA

MULTINORM-CY H05VVC4V5-K ... HAR/UL/CSA, 2-NORM-CY (H)05VVC4V5-K ... UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003563	12 G 2,5 (AWG 14)	21,2	397,00	769,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1002634	18 G 2,5 (AWG 14)	24,8	556,00	1080,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003564	25 G 2,5 (AWG 14)	29,2	790,00	1449,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003565	34 G 2,5 (AWG 14)	32,5	1007,00	1906,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003566	50 G 2,5 (AWG 14)	39,3	1498,00	2666,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1003567	61 G 2,5 (AWG 14)	41,0	1794,00	3077,00	grey	V1: MULTINORM-CY H05VVC4V5-K HAR/UL/CSA
1000170	2 X 0,5 (AWG 20)	7,8	32,00	92,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000171	3 G 0,5 (AWG 20)	8,2	42,00	108,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000207	4 G 0,5 (AWG 20)	8,7	47,00	121,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000271	5 G 0,5 (AWG 20)	9,3	57,00	141,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003219	7 G 0,5 (AWG 20)	10,2	66,00	167,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000287	12 G 0,5 (AWG 20)	13,1	115,00	280,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000305	18 G 0,5 (AWG 20)	15,2	153,00	376,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1002409	25 G 0,5 (AWG 20)	17,2	203,00	489,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000314	34 G 0,5 (AWG 20)	20,0	254,00	646,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000319	2 X 0,75 (AWG 19)	8,2	42,00	108,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000349	3 G 0,75 (AWG 19)	8,6	50,00	121,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000350	4 G 0,75 (AWG 19)	9,2	57,00	137,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000358	5 G 0,75 (AWG 19)	10,1	69,00	167,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000368	7 G 0,75 (AWG 19)	10,8	88,00	198,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000379	12 G 0,75 (AWG 19)	13,9	153,00	333,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000427	18 G 0,75 (AWG 19)	16,1	204,00	446,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000451	25 G 0,75 (AWG 19)	18,8	271,00	605,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000459	34 G 0,75 (AWG 19)	22,0	344,00	809,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003821	2 X 1 (AWG 18)	8,5	47,00	117,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003824	3 G 1 (AWG 18)	8,9	57,00	131,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003825	4 G 1 (AWG 18)	9,5	71,00	155,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003826	5 G 1 (AWG 18)	10,5	81,00	184,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003827	7 G 1 (AWG 18)	11,2	104,00	219,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003828	12 G 1 (AWG 18)	14,8	181,00	383,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003829	18 G 1 (AWG 18)	17,1	256,00	523,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000472	25 G 1 (AWG 18)	19,6	331,00	683,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000482	34 G 1 (AWG 18)	23,1	434,00	931,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003822	2 X 1,5 (AWG 16)	9,1	57,00	136,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003830	3 G 1,5 (AWG 16)	9,5	76,00	159,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003831	4 G 1,5 (AWG 16)	10,4	90,00	189,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003832	5 G 1,5 (AWG 16)	11,5	111,00	231,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003833	7 G 1,5 (AWG 16)	12,5	145,00	284,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003834	12 G 1,5 (AWG 16)	16,0	247,00	476,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003835	18 G 1,5 (AWG 16)	18,9	383,00	670,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003085	25 G 1,5 (AWG 16)	22,0	459,00	896,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000507	34 G 1,5 (AWG 16)	25,3	614,00	1192,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003823	2 X 2,5 (AWG 16)	10,3	81,00	180,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA

MULTINORM-CY H05VVC4V5-K ... HAR/UL/CSA, 2-NORM-CY (H)05VVC4V5-K ...
UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003836	3 G 2,5 (AWG 14)	10,8	111,00	214,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003837	4 G 2,5 (AWG 14)	11,8	141,00	261,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003838	5 G 2,5 (AWG 14)	13,2	178,00	330,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003839	7 G 2,5 (AWG 14)	14,4	234,00	410,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000510	12 G 2,5 (AWG 14)	18,4	371,00	661,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000538	18 G 2,5 (AWG 14)	22,0	531,00	949,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000562	25 G 2,5 (AWG 14)	25,0	716,00	1248,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000572	34 G 2,5 (AWG 14)	30,0	957,00	1747,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003580	3 G 4 (AWG 12)	13,2	208,00	298,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1001598	4 G 4 (AWG 12)	14,6	236,00	380,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003581	5 G 4 (AWG 12)	15,9	277,00	450,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003582	7 G 4 (AWG 12)	19,1	395,00	564,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1000069	3 G 6 (AWG 10)	15,3	242,00	398,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1001874	4 G 6 (AWG 10)	16,7	316,00	485,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1001820	5 G 6 (AWG 10)	18,5	413,00	590,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003583	7 G 6 (AWG 10)	21,2	570,00	745,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003857	3 G 10 (AWG 8)	19,2	416,00	609,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003840	4 G 10 (AWG 8)	21,3	571,00	760,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003841	5 G 10 (AWG 8)	23,9	690,00	948,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003858	7 G 10 (AWG 8)	26,7	971,00	1181,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003584	3 G 16 (AWG 6)	24,4	660,00	965,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1002705	4 G 16 (AWG 6)	29,4	821,00	1203,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003585	5 G 16 (AWG 6)	30,8	1127,00	1455,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003586	3 G 25 (AWG 4)	30,4	1091,00	1634,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003587	4 G 25 (AWG 4)	32,0	1443,00	2179,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003588	3 G 35 (AWG 2)	34,0	1501,00	1883,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1002406	4 G 35 (AWG 2)	37,9	1889,00	2378,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003556	5 G 35 (AWG 2)	41,7	2532,00	2971,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003589	4 G 50 (AWG 1)	42,0	2474,00	3182,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003590	3 G 70 (AWG 2/0)	45,0	2353,00	3770,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003591	4 G 70 (AWG 2/0)	47,4	3120,00	4882,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003592	3 G 95 (AWG 3/0)	45,1	3098,00	4500,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003593	4 G 95 (AWG 3/0)	50,0	4010,00	5540,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA
1003594	4 G 120 (AWG 4/0)	56,6	5012,00	8010,00	grey	V2: 2-NORM-CY (H)05VVC4V5-K UL/CSA