

Product Description

Usage on the most important global markets; Reduced technical documentation expense; Easier storage; Increased economy in the production process



Application range

- Internal wiring of devices
- Control cabinet wiring

Benefits

- Usage on the most important global markets
- Reduced technical documentation expense
- Easier storage
- Increased economy in the production process

Design

- Strands of tinned copper wires
- Metrical cross section is the master size
- Core insulation: Based on Special PVC

Approvals (Norm references)

- NFPA 79 Edition 2007 conform

Product features

- Flame retardant according to IEC 60332-1-2
- Flame retardant according to UL VW1 / CSA FT1



- Oil resistant

Cross-References

Accessories

DIN-assorted boxes conductor end sleeves, PWE 8.87 crimping pliers

Comparable products

H07V-K, Multi-Standard single core UL(MTW)-CSA-HAR 10269

Technical Data

Approvals

VDE 0281/ HD 21 (H07V-K)

UL: AWM Style 1015 UL: MTW 1063 CSA: TEW

Specific insulation resistance

> 10 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Rated voltage

HAR / IEC: U0/U: 450/750 V UL (AWM): U: 600 V

UL (MTW): U: 600 V CSA (TEW): U: 600 V

Test voltage

2500 V

Range of temperature

Fixed installation: HAR / IEC: -40°C up to +70°C UL

(AWM): -40°C up to +105°C

UL (MTW): -40°C to +90°C CSA (TEW): -40°C to +105°C

Article List

Part number	Conductor cross section in mm ²	Conductor cross section in AWG	Outer diameter in mm approx.	Colour	m/Coil	Copper index kg/km	Weight kg/km approx.	Overall weight/box in kg approx.	Box capacity in m
4160100	0,5	22	2.5	GNYE		4.8	10		
4160101	0,5	22	2.5	BK		4.8	10		
4160102	0,5	22	2.5	BU		4.8	10		
4160103	0,5	22	2.5	BN		4.8	10		
4160104	0,5	22	2.5	RD		4.8	10		
4160105	0,5	22	2.5	WH		4.8	10		
4160106	0,5	22	2.5	GY		4.8	10		
4160107	0,5	22	2.5	VT		4.8	10		
4160108	0,5	22	2.5	PK		4.8	10		
4160109	0,5	22	2.5	OG		4.8	10		



4160110	0,5	22	2.5	YE		4.8	10		
4160111	0,5	22	2.5	GN		4.8	10		
4160114	0,5	22	2.5	DBU		4.8	10		
4160126	0,5	22	2.5	BUWH		4.8	10		
4160144	0,5	22	2.5	WHBU		4.8	10		
4160200	0,75	20	2.7	GNYE		7.2	12.5		
4160201	0,75	20	2.7	BK		7.2	12.5		
4160202	0,75	20	2.7	BU		7.2	12.5		
4160203	0,75	20	2.7	BN		7.2	12.5		
4160204	0,75	20	2.7	RD		7.2	12.5		
4160205	0,75	20	2.7	WH		7.2	12.5		
4160206	0,75	20	2.7	GY		7.2	12.5		
4160207	0,75	20	2.7	VT		7.2	12.5		
4160208	0,75	20	2.7	PK		7.2	12.5		
4160209	0,75	20	2.7	OG		7.2	12.5		
4160210	0,75	20	2.7	YE		7.2	12.5		
4160211	0,75	20	2.7	GN		7.2	12.5		
4160214	0,75	20	2.7	DBU		7.2	12.5		
4160226	0,75	20	2.7	BUWH		7.2	12.5		
4160244	0,75	20	2.7	WHBU		7.2	12.5		
4160300	1	18	2.9	GNYE		9.6	16		
4160301	1	18	2.9	BK		9.6	16		
4160302	1	18	2.9	BU		9.6	16		
4160303	1	18	2.9	BN		9.6	16		
4160304	1	18	2.9	RD		9.6	16		
4160305	1	18	2.9	WH		9.6	16		
4160306	1	18	2.9	GY		9.6	16		
4160307	1	18	2.9	VT		9.6	16		
4160308	1	18	2.9	PK		9.6	16		
4160309	1	18	2.9	OG		9.6	16		
4160310	1	18	2.9	YE		9.6	16		
4160311	1	18	2.9	GN		9.6	16		
4160314	1	18	2.9	DBU		9.6	16		
4160326	1	18	2.9	BUWH		9.6	16		
4160344	1	18	2.9	WHBU		9.6	16		
4160400	1,5	16	3.1	GNYE		14.4	20		
4160401	1,5	16	3.1	BK		14.4	20		
4160402	1,5	16	3.1	BU		14.4	20		
4160403	1,5	16	3.1	BN		14.4	20		
4160404	1,5	16	3.1	RD		14.4	20		
4160405	1,5	16	3.1	WH		14.4	20		



4160406	1,5	16	3.1	GY		14.4	20		
4160407	1,5	16	3.1	VT		14.4	20		
4160408	1,5	16	3.1	PK		14.4	20		
4160409	1,5	16	3.1	OG		14.4	20		
4160410	1,5	16	3.1	YE		14.4	20		
4160411	1,5	16	3.1	GN		14.4	20		
4160414	1,5	16	3.1	DBU		14.4	20		
4160426	1,5	16	3.1	BUWH		14.4	20		
4160444	1,5	16	3.1	WHBU		14.4	20		
4160500	2,5	14	3.7	GNYE		24	31		
4160501	2,5	14	3.7	BK		24	31		
4160502	2,5	14	3.7	BU		24	31		
4160503	2,5	14	3.7	BN		24	31		
4160504	2,5	14	3.7	RD		24	31		
4160505	2,5	14	3.7	WH		24	31		
4160506	2,5	14	3.7	GY		24	31		
4160507	2,5	14	3.7	VT		24	31		
4160509	2,5	14	3.7	OG		24	31		
4160510	2,5	14	3.7	YE		24	31		
4160511	2,5	14	3.7	GN		24	31		
4160514	2,5	14	3.7	DBU		24	31		
4160526	2,5	14	3.7	BUWH		24	31		
4160544	2,5	14	3.7	WHBU		24	31		
4160600	4	12	4.4	GNYE		38.4	45		
4160601	4	12	4.4	BK		38.4	45		
4160602	4	12	4.4	BU		38.4	45		
4160603	4	12	4.4	BN		38.4	45		
4160604	4	12	4.4	RD		38.4	45		
4160605	4	12	4.4	WH		38.4	45		
4160606	4	12	4.4	GY		38.4	45		
4160607	4	12	4.4	VT		38.4	45		
4160608	4	12	4.4	PK		38.4	45		
4160609	4	12	4.4	OG		38.4	45		
4160610	4	12	4.4	YE		38.4	45		
4160611	4	12	4.4	GN		38.4	45		
4160614	4	12	4.4	DBU		38.4	45		
4160626	4	12	4.4	BUWH		38.4	45		
4160644	4	12	4.4	WHBU		38.4	45		
4160700	6	10	4.9	GNYE		58	63		
4160701	6	10	4.9	BK		58	63		
4160702	6	10	4.9	BU		58	63		



4160703	6	10	4.9	BN		58	63		
4160704	6	10	4.9	RD		58	63		
4160705	6	10	4.9	WH		58	63		
4160706	6	10	4.9	GY		58	63		
4160707	6	10	4.9	VT		58	63		
4160709	6	10	4.9	OG		58	63		
4160710	6	10	4.9	YE		58	63		
4160711	6	10	4.9	GN		58	63		
4160714	6	10	4.9	DBU		58	63		
4160726	6	10	4.9	BUWH		58	63		
4160744	6	10	4.9	WHBU		58	63		
4160800	10	8	6.8	GNYE		96	120		
4160801	10	8	6.8	BK		96	120		
4160802	10	8	6.8	BU		96	120		
4160803	10	8	6.8	BN		96	120		
4160804	10	8	6.8	RD		96	120		
4160805	10	8	6.8	WH		96	120		
4160806	10	8	6.8	GY		96	120		
4160809	10	8	6.8	OG		96	120		
4160810	10	8	6.8	YE		96	120		
4160811	10	8	6.8	GN		96	120		
4160814	10	8	6.8	DBU		96	120		
4160826	10	8	6.8	BUWH		96	120		
4160844	10	8	6.8	WHBU		96	120		
4160900	16	6	8.9	GNYE		154	185		
4160901	16	6	8.9	BK		154	185		
4160902	16	6	8.9	BU		154	185		
4160903	16	6	8.9	BN		154	185		
4160904	16	6	8.9	RD		154	185		
4160905	16	6	8.9	WH		154	185		
4160906	16	6	8.9	GY		154	185		
4160909	16	6	8.9	OG		154	185		
4160910	16	6	8.9	YE		154	185		
4160911	16	6	8.9	GN		154	185		
4160914	16	6	8.9	DBU		154	185		
4160944	16	6	8.9	WHBU		154	185		
4161000	25	4	10.1	GNYE		240	260		
4161001	25	4	10.1	BK		240	260		
4161002	25	4	10.1	BU		240	260		
4161003	25	4	10.1	BN		240	260		
4161004	25	4	10.1	RD		240	260		



4161005	25	4	10.1	WH		240	260		
4161006	25	4	10.1	GY		240	260		
4161009	25	4	10.1	OG		240	260		
4161010	25	4	10.1	YE		240	260		
4161011	25	4	10.1	GN		240	260		
4161014	25	4	10.1	DBU		240	260		
4161100	35	2	11.4	GNYE		336	360		
4161101	35	2	11.4	BK		336	360		
4161102	35	2	11.4	BU		336	360		
4161104	35	2	11.4	RD		336	360		
4161105	35	2	11.4	WH		336	360		
4161106	35	2	11.4	GY		336	360		
4161109	35	2	11.4	OG		336	360		
4161110	35	2	11.4	YE		336	360		
4161111	35	2	11.4	GN		336	360		
4161200	50	1	14	GNYE		480	535		
4161201	50	1	14	BK		480	535		
4161202	50	1	14	BU		480	535		
4161210	50	1	14	YE		480	535		
4161211	50	1	14	GN		480	535		
4161300	70	2/0	15.8	GNYE		672	735		
4161301	70	2/0	15.8	BK		672	735		
4161302	70	2/0	15.8	BU		672	735		
4161306	70	2/0	15.8	GY		672	735		
4161310	70	2/0	15.8	YE		672	735		
4161311	70	2/0	15.8	GN		672	735		
4161400	95	3/0	18.1	GNYE		912	930		
4161401	95	3/0	18.1	BK		912	930		
4161402	95	3/0	18.1	BU		912	930		
4161406	95	3/0	18.1	GY		912	930		
4161500	120	4/0	19.4	GNYE		1152	1160		
4161501	120	4/0	19.4	BK		1152	1160		
4161502	120	4/0	19.4	BU		1152	1160		
4161505	120	4/0	19.4	WH		1152	1160		
4161506	120	4/0	19.4	GY		1152	1160		
4160101K	0,5	22	2.5	BK		4.8		32.2	3000
4160102K	0,5	22	2.5	BU		4.8		32.2	3000
4160103K	0,5	22	2.5	BN		4.8		32.2	3000
4160104K	0,5	22	2.5	RD		4.8		32.2	3000
4160105K	0,5	22	2.5	WH		4.8		32.2	3000
4160106K	0,5	22	2.5	GY		4.8		32.2	3000



4160107K	0,5	22	2.5	VT		4.8		32.2	3000
4160111K	0,5	22	2.5	GN		4.8		32.2	3000
4160114K	0,5	22	2.5	DBU		4.8		32.2	3000
4160126K	0,5	22	2.5	BUWH		4.8		32.2	3000
4160144K	0,5	22	2.5	WHBU		4.8		32.2	3000
4160200K	0,75	20	2.7	GNYE		7.2		28.2	2500
4160201K	0,75	20	2.7	BK		7.2		28.2	2500
4160202K	0,75	20	2.7	BU		7.2		28.2	2500
4160203K	0,75	20	2.7	BN		7.2		28.2	2500
4160204K	0,75	20	2.7	RD		7.2		28.2	2500
4160205K	0,75	20	2.7	WH		7.2		28.2	2500
4160207K	0,75	20	2.7	VT		7.2		28.2	2500
4160209K	0,75	20	2.7	OG		7.2		28.2	2500
4160214K	0,75	20	2.7	DBU		7.2		28.2	2500
4160244K	0,75	20	2.7	WHBU		7.2		28.2	2500
4160300K	1	18	2.9	GNYE		9.6		34.2	2000
4160301K	1	18	2.9	BK		9.6		34.2	2000
4160302K	1	18	2.9	BU		9.6		34.2	2000
4160303K	1	18	2.9	BN		9.6		34.2	2000
4160304K	1	18	2.9	RD		9.6		34.2	2000
4160305K	1	18	2.9	WH		9.6		34.2	2000
4160306K	1	18	2.9	GY		9.6		34.2	2000
4160307K	1	18	2.9	VT		9.6		34.2	2000
4160309K	1	18	2.9	OG		9.6		34.2	2000
4160310K	1	18	2.9	YE		9.6		34.2	2000
4160311K	1	18	2.9	GN		9.6		34.2	2000
4160314K	1	18	2.9	DBU		9.6		34.2	2000
4160326K	1	18	2.9	BUWH		9.6		34.2	2000
4160344K	1	18	2.9	WHBU		9.6		34.2	2000
4160400K	1,5	16	3.1	GNYE		14.4		32.2	1500
4160401K	1,5	16	3.1	BK		14.4		32.2	1500
4160402K	1,5	16	3.1	BU		14.4		32.2	1500
4160403K	1,5	16	3.1	BN		14.4		32.2	1500
4160404K	1,5	16	3.1	RD		14.4		32.2	1500
4160405K	1,5	16	3.1	WH		14.4		32.2	1500
4160406K	1,5	16	3.1	GY		14.4		32.2	1500
4160407K	1,5	16	3.1	VT		14.4		32.2	1500
4160409K	1,5	16	3.1	OG		14.4		32.2	1500
4160410K	1,5	16	3.1	YE		14.4		32.2	1500
4160414K	1,5	16	3.1	DBU		14.4		32.2	1500
4160426K	1,5	16	3.1	BUWH		14.4		32.2	1500

4160444K	1,5	16	3.1	WHBU		14.4		32.2	1500
4160500K	2,5	14	3.7	GNYE		24		30.1	900
4160501K	2,5	14	3.7	BK		24		30.1	900
4160502K	2,5	14	3.7	BU		24		30.1	900
4160503K	2,5	14	3.7	BN		24		30.1	900
4160504K	2,5	14	3.7	RD		24		30.1	900
4160505K	2,5	14	3.7	WH		24		30.1	900
4160507K	2,5	14	3.7	VT		24		30.1	900
4160509K	2,5	14	3.7	OG		24		30.1	900
4160510K	2,5	14	3.7	YE		24		30.1	900
4160514K	2,5	14	3.7	DBU		24		30.1	900
4160544K	2,5	14	3.7	WHBU		24		30.1	900
4160600K	4	12	4.4	GNYE		38.4		29.2	600
4160601K	4	12	4.4	BK		38.4		29.2	600
4160602K	4	12	4.4	BU		38.4		29.2	600
4160603K	4	12	4.4	BN		38.4		29.2	600
4160604K	4	12	4.4	RD		38.4		29.2	600
4160609K	4	12	4.4	OG		38.4		29.2	600
4160700K	6	10	4.9	GNYE		58		27.8	400
4160701K	6	10	4.9	BK		58		27.8	400
4160702K	6	10	4.9	BU		58		27.8	400
4160704K	6	10	4.9	RD		58		27.8	400
4160705K	6	10	4.9	WH		58		27.8	400
4160707K	6	10	4.9	VT		58		27.8	400
4160709K	6	10	4.9	OG		58		27.8	400
4160714K	6	10	4.9	DBU		58		27.8	400