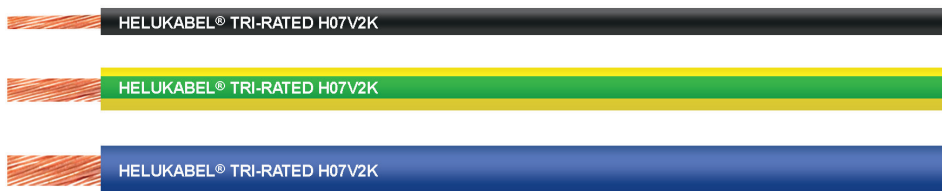


TRI-RATED SINGLE CORE

PVC single core, Multi-Norm switchgear & control panel wires



TECHNICAL DATA

PVC Single core acc. to UL-Std. 758 (AWM), CSA-Std. C22.2 No. 210 - AWM I A/B, H05V2-K / H07V2-K acc. to EN 50525-2-31, 07V-K in alignment to EN 50525-2-31

Temperature range	flexible +5°C to +90°C fixed -30°C to +90°C BS (6231) -30°C to +90°C or +105°C / 15.000 hours UL (AWM) -30°C to +105°C
Short circuit temperature at the conductor	+160°C (short circuit temperature max. 5 s)
Conductor resistance at 20°C	at AWG 22: max. 55,4 Ohm/km
Nominal voltage	AC U ₀ /U 300/500 V (EN) ≤ 1 mm ² AC U ₀ /U 450/750 V (EN) ≥ 1.5 mm ² UL (AWM) 600 V BS (6231) 600/1000 V
Test voltage	2000 V
Minimum bending radius	fixed 6x Outer-ø

- Core identification: see table

PROPERTIES

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1
- CPR-class: Eca

APPLICATION

Cable suitable for fixed and protected installation, for internal wiring, command and control switchgear and for assemblies of lighting. Cross-sections up to 1 mm² are only recommended for signal and control circuits. The multiple-standard design makes them adequate to be commercialised worldwide without technical barriers.

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to EN 60228 Class 5
- Core insulation: PVC acc. to EN 50363-3 (compound type TI3)

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- core colours yellow and green, cross-section 1,5 mm² to 16 mm² type 07V2-K in alignment to EN 50525-2-31

Cross- sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Weight kg/km, approx.	black Part no.	green-yellow Part no.	light blue Part no.	brown Part no.	red Part no.	white Part no.	grey Part no.	violet Part no.
0.5	20	2.4	10	18066300	18066309	18066301	18066312	18066310	18066306	18066302	18066305
0.75	19	2.7	13	18066314	18066323	18066315	18066326	18066324	18066320	18066316	18066319
1	18	2.8	15	18066328	18066337	18066329	18066340	18066338	18066334	18066330	18066333
1,5	16	3.0	20	18066342	18066351	18066343	18066354	18066352	18066348	18066344	18066347
2,5	14	3.5	30	18066356	18066365	18066357	18066368	18066366	18066362	18066358	18066361
4	12	4.0	45	18066370	18066379	18066371	18066382	18066380	18066376	18066372	18066375
6	10	4.6	65	18066384	18066393	18066385	18066396	18066394	18066390	18066386	18066389
10	8	6.3	110	18066398	18066407	18066399	18066410	18066408	18066404	18066400	18066403
16	6	8.0	180	18066412	18066421	18066413	18066424	18066422	18066418	18066414	18066417

Cross- sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Weight kg/km, approx.	yellow Part no.	dark blue Part no.	orange Part no.	blue Part no.	pink Part no.	green Part no.
0.5	20	2.4	10	18066311	18066308	18066303	18066313	18066304	18066307
0.75	19	2.7	13	18066325	18066322	18066317	18066327	18066318	18066321
1	18	2.8	15	18066339	18066336	18066331	18066341	18066332	18066335
1,5	16	3.0	20	18066353	18066350	18066345	18066355	18066346	18066349

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Cross- sec. mm²	AWG, approx.	Outer-Ø min - max mm	Weight kg/km, approx.	 yellow Part no.	 dark blue Part no.	 orange Part no.	 blue Part no.	 pink Part no.	 green Part no.
2,5	14	3.5	30	18066367	18066364	18066359	18066369	18066360	18066363
4	12	4.0	45	18066381	18066378	18066373	18066383	18066374	18066377
6	10	4.6	65	18066395	18066392	18066387	18066397	18066388	18066391
10	8	6.3	110	18066409	18066406	18066401	18066411	18066402	18066405
16	6	8.0	180	18066423	18066420	18066415	18066425	18066416	18066419