

DESCAFLEX T-105 vz multi

0,50 mm² - 70,00 mm²

Stranded wires PVC UL-1015 / CSA / <HAR> H05V2-K / H07V2-K

Application

For internal wiring of electrical and electronic equipments, switchboards, in control and instrumentation panels, in mechanical engineering and machine tool construction, etc.. This stranded wire can be used on the main global markets, because it is approved according to UL/CSA standards and to the European harmonization <HAR>.

A very economical processing of the wires allows the packaging in barrels. They are stackable and feature easy handling and low weight.

Construction

Flexible tinned copper conductors
Insulation PVC, impregnating- and heat resistant

Note

The following wires are manufactured in accordance with H07V2-K (eff. 07V2-K). They are not harmonized <HAR>:

Wires from cross-section 1.50 mm² in the colours green, yellow and bi-coloured types, with the exception of the protective conductor green-yellow. All wires in the sections 16,00 mm², 50,00 mm² and 70,00 mm².



Technical Properties

Rated voltage U ₀ /U	
- UL/CSA	600 V
- HAR up to 1,00 mm ²	300 / 500 V
- HAR from 1,50 mm ²	450 / 750 V
Test voltage	3000 V
Temperature range	
- HAR	- 5°C ... + 90°C
- UL/CSA	- 5°C ... + 105°C
Minimum bending radius	6 x outer diameter

Standards / Approvals

UL	AWM 1015, VW 1
CSA	TEW
NEC	MTW (from 4 mm ²)
HAR, from 0,50 mm ²	H05V2-K
HAR, from 1,50 mm ²	H07V2-K

All packagings are delivered with UL + CSA Labels.

Cross section mm ²	AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
0,50	20	2.50	4.80	10.00
0,50	20	2.50	4.80	10.00
0,75	19	2.80	7.20	13.00
0,75	19	2.80	7.20	13.00
1,00	18	3.00	9.60	16.00
1,00	18	3.00	9.60	16.00
1,50	16	3.20	14.40	20.00
1,50	16	3.20	14.40	20.00
2,50	14	3.65	24.00	31.00
2,50	14	3.65	24.00	31.00
4,00	12	4.30	38.40	45.00
6,00	10	4.90	57.60	63.00
10,00	8	6.70	96.00	185.00
16,00	6	8.90	153.60	210.00
25,00	4	10.10	240.00	295.00
35,00	2	11.30	336.00	360.00
50,00	1	14.00	480.00	540.00
70,00	2/0	16.20	672.00	730.00

Colour code see next page

Packaging	Dimension
Spool 100 m	160 x 90 x centre 60 mm (poss. box)
Barrel 1500 m	400 x 400 x 400 mm
Spool 100 m	160 x 90 x centre 60 mm (poss. box)
Barrel 1300 m	400 x 400 x 400 mm
Spool 100 m	160 x 90 x centre 60 mm (poss. box)
Barrel 1200 m	400 x 400 x 400 mm
Spool 100 m	160 x 90 x centre 60 mm (poss. box)
Barrel 1000 m	400 x 400 x 400 mm
Spool 100 m	160 x 90 x centre 60 mm (poss. box)
Barrel 800 m	400 x 400 x 400 mm
Coil 100 m	
Coil 100 m	
Coil 100 m	
Drum	cut to desired length
Drum	cut to desired length
Drum	cut to desired length
Drum	cut to desired length
Drum	cut to desired length

on request

in bigger barrels 50 x 50 x 80 cm or on bigger spools

DESCAFLEX T-105 vz multi

0,50 mm² - 70,00 mm²

Stranded wires PVC UL-1015 / CSA / <HAR> H05V2-K / H07V2-K

Colour code								
0,50 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 100 m	109600	109605	109610	109615	109620	109625	109630	109635
Barrel 1500 m	109602	109607	109612	109617	109622	109627	109632	109637
	green	orange	violet	yellow	rose			
Spool 100 m	109640	109645	109650	109655	109660			
Barrel 1500 m	109642	109647	109652	109657	109662			
0,75 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 100 m	109750	109755	109760	109765	109770	109775	109780	109785
Barrel 1300 m	109752	109757	109762	109767	109772	109777	109782	109787
	green	orange	violet	yellow	rose			
Spool 100 m	109790	109795	109800	109805	109810			
Barrel 1300 m	109792	109797	109802	109807	109812			
1,00 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 100 m	109900	109905	109910	109915	109920	109925	109930	109935
Barrel 1200 m	109902	109907	109912	109917	109922	109927	109932	109937
	green	orange	violet	yellow	rose			
Spool 100 m	109940	109945	109950	109955	109960			
Barrel 1200 m	109942	109947	109952	109957	109962			
1,50 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 100 m	110050	110055	110060	110065	110070	110075	110080	110085
Barrel 1000 m	110052	110057	110062	110067	110072	110077	110082	110087
	green	orange	violet	yellow	rose			
Spool 100 m	110090	110095	110100	110105	110110			
Barrel 1000 m	110092	110097	110102	110107	110112			
2,50 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Spool 100 m	110200	110205	110210	110215	110220	110225	110230	110235
Barrel 800 m	110202	110207	110212	110217	110222	110227	110232	110237
	green	orange	violet	yellow	rose			
Spool 100 m	110240	110245	110250	110255	110260			
Barrel 800 m	110242	110247	110252	110257	110262			
4,00 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Coil 100 m	110325	110330	110335	110340	110345	110350	110355	110360
	green	orange	violet					
Coil 100 m	110365	110370	110375					
6,00 mm²	black	blue	green-yellow	brown	grey	dark blue	red	white
Coil 100 m	110430	110435	110440	110445	110450	110455	110460	110465
	green	orange	violet					
Coil 100 m	110470	110475	110480					
10,00 mm²	black	green-yellow						
Drum	110536	110540						
16,00 mm²	black	green-yellow						
Drum	110566	110570						
25,00 mm²	black	green-yellow						
Drum	110595	110597						
35,00 mm²	black	green-yellow						
Drum	110610	110612						
50,00 mm²	black	green-yellow						
Drum	110623	110625						
70,00 mm²	black	green-yellow						
Drum	110640	110642						

on request

in bigger barrels 50 x 50 x 80 cm or on bigger spools