

CABLES FOR A MOVING WORLD



**TRATOS**  
**HIGH TEMPERATURE®**  
**H05V2 & H07V2**

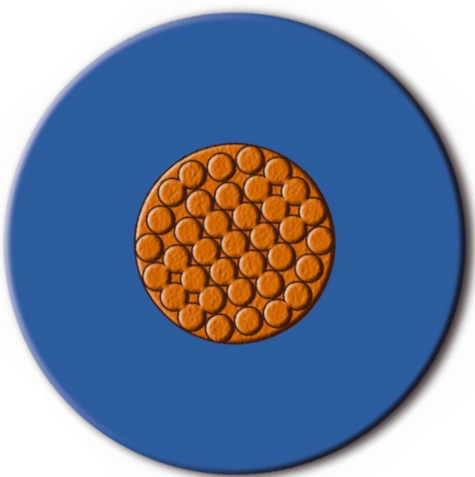
# TRATOS HIGH TEMPERATURE<sup>®</sup>

High temperatures flexible or solid conductor single core cables, suitable for internal wiring of appliances

**TRATOS HIGH TEMPERATURE H05V2-K<sup>®</sup>, H05V2-U<sup>®</sup> - 300/500 V**

**TRATOS HIGH TEMPERATURE H07V2-K<sup>®</sup>, H07V2-U<sup>®</sup> - 450/750 V**

## FEATURES AND PERFORMANCES



### CONSTRUCTION

- **Conductor:** Electrolytic plain or tinned copper Class 1 solid (for H05V2-U and H07V2-U wires) or Class 5 stranded conductor (for H05V2-K and H07V2-K) complying with CEI 20-29 requirements.
- **Insulation:** High quality polyvinylchloride insulation (TI3 type compound according to CEI 20-20 requirements)

### STANDARDS

- DIN VDE 0281 part 1; DIN VDE 0281 part 7; DIN VDE 0293; DIN VDE 0295
- HD 21.7



### Characteristics:

Working temperature	5 ÷ 90 °C, -20 ÷ 90 °C at fixed laying
Short-circuit temperature	160 °C
Voltage rating (U <sub>o</sub> /U)	300/500 VAC for H05V2-K and H05V2-U wires 450/750 VAC for H07V2-K and H07V2-U wires
Test voltage	2 kV for the H05V2-K ed H05V2-U wires 2.5 kV for the H07V2-K ed H07V2-U wires
Min. bending radius	4 times the outer diameter

A full range of insulation colours is available including green/yellow.

**TRATOS HIGH TEMPERATURE H05V2-K - 300/500 V**

Cross Section	Insulation Thickness	Stranding	Maximum Temperature of the Conductor During Operation	Nominal Diameter	Nominal Cable Weight
mm <sup>2</sup>	mm	mm	°C	mm	Kg/km
0,5	>0,6	16 x 0,193	90	1,10	9
1,75	>0,6	24 x 0,193	90	2,33	11,5
1	>0,6	32 x 0,193	90	2,47	14,1

**TRATOS HIGH TEMPERATURE H05V2-U - 300/500 V**

Cross Section	Insulation Thickness	Stranding	Maximum Temperature of the Conductor During Operation	Nominal Diameter	Nominal Cable Weight
mm <sup>2</sup>	mm	mm	°C	mm	Kg/km
0,5	>0,6	1 x 0,80	90	2,05	8,5
1,75	>0,6	1 x 0,97	90	2,20	11,4
1	>0,6	1 x 1,13	90	2,40	14,2

**TRATOS HIGH TEMPERATURE H07V2-K - 450/500 V**

Cross Section	Insulation Thickness	Stranding	Maximum Temperature of the Conductor During Operation	Nominal Diameter	Nominal Cable Weight
mm <sup>2</sup>	mm	mm	°C	mm	Kg/km
1,5	>0,7	28 x 0,245	90	2,85	18,8
2,5	>0,8	48 x 0,245	90	3,60	31,5
4	>0,8	52 x 0,300	90	4,10	46
6	>0,8	80 x 0,300	90	4,85	70

**TRATOS HIGH TEMPERATURE H07V2-U - 450/500 V**

Cross Section	Insulation Thickness	Stranding	Maximum Temperature of the Conductor During Operation	Nominal Diameter	Nominal Cable Weight
mm <sup>2</sup>	mm	mm	°C	mm	Kg/km
1,5	>0,7	1 x 1,35	90	2,90	21,5
2,5	>0,8	1 x 1,75	90	3,50	32





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