INDUSTRIEFLEX® 07 HT

Heavy-duty rubber special hose lines that are waterproof and heat-resistant and adhere to:

EN 50525-2-21
DIN VDE 0285-525-2-21
H07RN-F H07RN8-F H07BN4-F

TYPICAL FIELDS OF APPLICATION:

- construction and assembly sites
- steel and automobile industries
- heavy welding manufacturers
- chemical industry / Ex manufacturers (VDE 0165)
- municipal utilities, waterworks, and sewage treatment plants
- power plants and nuclear power stations

For use as per HD 516 / DIN VDE 0298

- in both dry and damp spaces
- for continuous implementation in outdoor areas
- in potentially explosive atmospheres (as per VDE 0165)
- in commercial and agricultural settings
- in engines or machines at construction sites
- in unpolluted water up to 10 meters deep and water temperature of 40° C in accordance with AD8 (e.g., for diving pumps); also water-resistant down to 50 meters in slightly polluted wastewater of industrial and domestic origin

SPECIAL FEATURES:

• cross-linked and compressed external sheathing material	→ also designed to withstand high mechanical strain; durability is enhanced thanks to extremely tear-resistant qualities, which amounts to COST SAVINGS
• “closed” external sheath surface	→ absorption of oils and chemicals is next to impossible
• modified external sheath mixture	→ resistant to UV, ozone, hydrolysis, and inclement weather; also flame-resistant, immediately self-extinguishing, infusible
• silicon-free sheath and lead insulation	→ extremely flexible, even at low temperatures → easy implementation in paint-related contexts (e.g., auto motive industry); no coating effect or aggressive deposits (e.g., in electronics / circuit boards)
• tin-plated copper wires / inner leads	→ no adverse interaction between copper and lead insulation material; no corrosion and no scaling of the connection points
• depending on the cross-section, ultra-fine wires of either copper class 6 or copper class 5 (for details, see page 8.2)	→ maximal flexibility for easy handling, even under challenging conditions, lower lead rupture, and therefore COST SAVINGS thanks to HIGH DURABILITY

– other models on request / subject to modification and errors –

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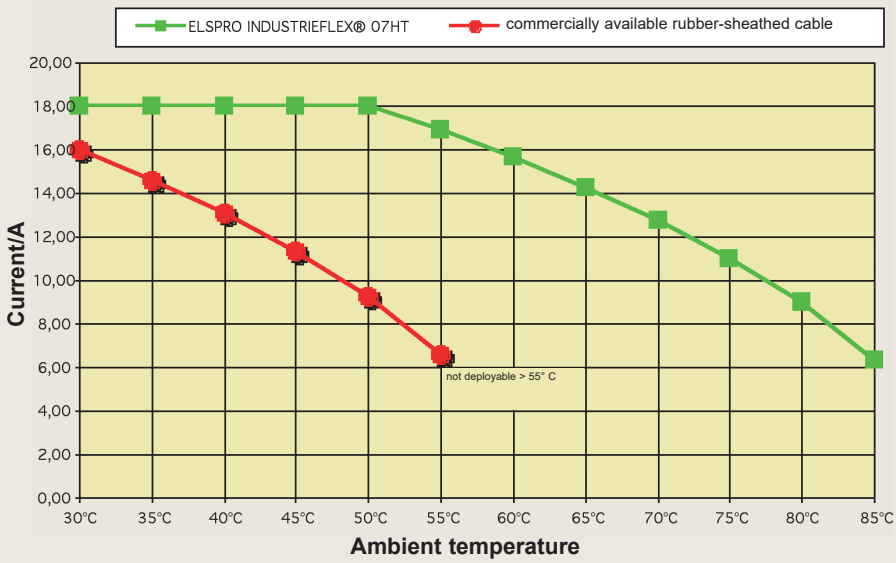
Cross-Section in mm²	Copper Class	Average Outside Diameter in mm	Order No.
2 x 1.00	6	8.2	**SL07HT 210**
3 G 1.00	6	9.1	**SL07HT 310**
4 G 1.00	6	9.6	**SL07HT 410**
5 G 1.00	5	11.6	**SL07HT 510**
2 x 1.50	6	9.1	**SL07HT 215**
3 G 1.50	6	9.8	**SL07HT 315**
4 G 1.50	6	11.3	**SL07HT 415**
5 G 1.50	5	11.9	**SL07HT 515**
7 G 1.50	5	15.7	**SL07HT 715**
12 G 1.50	5	18.5	**SL07HT 1215**
2 x 2.50	5	10.9	**SL07HT 225**
3 G 2.50	5	11.6	**SL07HT 325**
4 G 2.50	5	12.7	**SL07HT 425**
5 G 2.50	5	13.9	**SL07HT 525**
2 G 4.00	5	12.9	**SL07HT 240**
5 G 4.00	5	16.9	**SL07HT 540**
2 x 6.00	5	15.1	**SL07HT 260**
5 G 6.00	5	18.9	**SL07HT 560**
5 G 10.00	5	25.5	**SL07HT 5100**
5 G 16.00	5	28.9	**SL07HT 5160**

- other models on request; if desired also with imprinting (e.g., company name)
- presentation: drum or 100 m rings
- inside wiring up to 5 leads, color-coded
  > 5-lead numbering

TECHNICAL DATA:

Nominal current:	450 V / 750 V
Conductor temperature:	up to +90°C
Ambient temperature:	up to +85°C up to -25°C (flexible) as per HD 22.4, also deployable down to -35°C
Test voltage:	2,500 V
Flame resistance:	DIN EN 60332-1-2
Tensile load:	max. 15 N/mm² conductor cross-section
Cross-sections:	up to max. 5 x 16 mm² possible

Current load of a 1.5 mm² cable in connection to temperature



The adjacent chart presents the values for standard cables subjected to ambient temperatures of up to 55° C (H07RN-F) as compared to INDUSTRIEFLEX® 07 HT cables.

PLEASE NOTE:
The values displayed do not apply to feed lines attached to house or hand units. In order to avoid accidents caused by too high of temperatures along the external sheath, the latter may only be operated with a current load capacity in accordance with VDE 0298, chart 11, columns 3 and 4, regardless of the respective ambient temperature.
Please take the conditions of your specific operating situation into account!

In order to ensure that customers receive consistently high quality when using cables under the name INDUSTRIEFLEX®, protection is provided through the German Patent Office under the number 2043633.