



## FLEXIFESTOON® C PUR



CE



### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC/EN 60228, VDE 0295, class 5
<b>Insulation:</b>	special TPE
<b>Color code:</b>	colored acc. to HD 308 (VDE 0293 part 308)
<b>Supporting element:</b>	central textile
<b>Stranding:</b>	specially adjusted layering around central suspension
<b>Supporting screen:</b>	high tech yarns
<b>Screen:</b>	tinned copper braiding
<b>Outer sheath:</b>	black (RAL 9005), PUR

### Technical data:

<b>Nominal voltage:</b>	U <sub>oU</sub> 600/1000 V
<b>Test voltage:</b>	4000 V
<b>Min. Bending radius:</b> (fixed laying):	< 12 mm 3 x d/12 mm 4 x d
free suspension length:	6 x d
<b>Temperature range:</b> fixed installation:	-50°C to +90°C
flexible installation:	-40°C to +90°C
<b>Max. temperature on conductor:</b> in service:	+90°C
in short circuit:	+250°C
<b>Travelling festoon speed:</b>	up to 240 m/min. Please inquire for higher speeds.
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Oil resistance:</b>	very good
<b>Chemical resistance:</b>	acids, alkalines, solvents, hydraulic liquids, etc.
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC/EN 60332-1-2 and EN 50265-2-1
<b>UV-resistance:</b>	very good
<b>Tensile strength:</b>	up to 15 N/mm <sup>2</sup>

### Applications:

- ▶ **FLEXIFESTOON® C PUR** is used as energy and control cable at very high mechanical stresses. For festoon systems and machine tools or conveying systems. Possible applicable as drum reeling cable use.

### Outstanding features:

- ▶ Small outer diameter
- ▶ small cable weight
- ▶ high mechanical resistant
- ▶ for SPEEDS and MINIMUM BENDING RADIUS see page 1,2,3/5,6 of catalogue

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07200165FHFC	3x4+3x4/3	-	-	-	240	12
07200166FHFC	3x6+3x6/3	-	-	-	360	10
07200167FHFC	3x10+3x10/3	-	-	-	600	8
07200168FHFC	3x16+3x16/3	-	-	-	960	6

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07202415FHFC	3x25+3x16/3	-	-	-	1500	4
07200425FHFC	3x35+3x16/3	-	-	-	2500	2
07200525FHFC	3x50+3x25/3	-	-	-	3000	1
07200725FHFC	3x70+3x25/3	-	-	-	-	2/0

Other construction and sizes are available on request