



FLEXIFESTOON® PUR



CE



Construction:

Conductor:	bare copper strands acc. to IEC/EN 60228, VDE 0295, class 5
Insulation:	special TPE
Color code:	single core black; from 2 cores colored acc. to HD 308 (VDE 0293 part 308); from 6 cores black cores with consecutive numbers + green-yellow
Supporting element:	central textile
Stranding:	specially adjusted layering around central suspension element
Wrapping:	non-woven tape
Outer sheath:	black (RAL 9005), PUR

Technical data:

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

Applications:

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

Outstanding features:

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

Other construction and sizes are available on request

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
07200161FHF	1x16	8,7	153,6	179	6
07200162FHF	1x25	10,5	240,0	272	4
07200163FHF	1x35	12,1	226,0	377	2
07200164FHF	1x50	13,5	480,0	534	1
07200165FHF	1x70	15,8	672,0	712	2/0
07200166FHF	1x95	18,7	912,0	990	3/0
07200167FHF	1x120	20,4	1152,0	1187	4/0
07200168FHF	1x150	22,3	1440,0	1482	250 MCM
07200169FHF	1x185	24,0	1776,0	1781	350 MCM
07200170FHF	1x240	28,1	2304,0	2412	450 MCM
07200315FHF	3x1,5	7,3	43,2	76	16
07200415FHF	4x1,5	7,9	57,6	94	16
07200515FHF	5x1,5	8,6	72,0	116	16
07200715FHF	7x1,5	10,2	100,8	167	16
07201215FHF	12x1,5	12,6	172,8	246	16
07201815FHF	18x1,5	15,0	259,2	369	16

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
07202415FHF	24x1,5	17,7	345,6	477	16
07203015FHF	30x1,5	18,9	432,0	583	16
07200325FHF	3x2,5	8,3	72,0	109	14
07200425FHF	4x2,5	9,3	96,0	140	14
07200525FHF	5x2,5	10,1	120,0	174	14
07200725FHF	7x2,5	12,1	168,0	251	14
07201225FHF	12x2,5	15,0	288,0	379	14
07201825FHF	18x2,5	17,5	432,0	557	14
07202425FHF	24x2,5	21,1	576,0	732	14
07203025FHF	30x2,5	22,3	720,0	889	14
07200440FHF	4x4	10,9	153,6	208	12
07200460FHF	4x6	12,8	230,4	301	10
07200461FHF	4x10	16,5	384,0	497	8
07200462FHF	4x16	20,7	614,4	769	6
07200463FHF	4x25	24,3	960,0	1125	4
07200464FHF	4x35	28,5	1344,0	1585	2
07200465FHF	4x50	32,1	1920,0	2232	1
07200561FHF	5x10	18,2	480,0	616	8
07200562FHF	5x16	23,1	768,0	980	6
07200563FHF	5x25	27,1	1200,0	1434	4