

FESTOON CAB LES

FLEXIFESTOON® PUR



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Construction:

Conductor:	Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	TPE special compound
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Supporting element:	central textile
Stranding:	specially adjusted layering around central suspension element
Wrapping:	non-woven tape
Outer sheath:	black (RAL 9005), PUR

Applications:

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

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

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

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.*)	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.*)
03110G7L010M62	1x16	8,7	153,6	179	6	03110G70241M15	24G1,5	17,7	345,6	477	16
03110G7L010M63	1x25	10,5	240	272	4	03110G70301M15	30G1,5	18,9	432	583	16
03110G7L010M64	1x35	12,1	226	377	2	03110G72031M25	3G2,5	8,3	72	109	14
03110G7L010M65	1x50	13,5	480	534	1	03110G72041M25	4G2,5	9,3	96	140	14
03110G7L010M66	1x70	15,8	672	712	2/0	03110G72051M25	5G2,5	10,1	120	174	14
03110G7L010M67	1x95	18,7	912	990	3/0	03110G70071M25	7G2,5	12,1	168	251	14
03110G7L010M68	1x120	20,4	1152	1187	4/0	03110G70121M25	12G2,5	15,0	288	379	14
03110G7L010M69	1x150	22,3	1440	1482	250 MCM	03110G70181M25	18G2,5	17,5	432	557	14
03110G7L010M70	1x185	24	1776	1781	350 MCM	03110G70241M25	24G2,5	21,1	576	732	14
03110G7L010M71	1x240	28,1	2304	2412	450 MCM	03110G70301M25	30G2,5	22,3	720	889	14
03110G72031M15	3G1,5	7,3	43,2	76	16	03110G72041M40	4G4	10,9	153,6	208	12
03110G72041M15	4G1,5	7,9	57,6	94	16	03110G72041M60	4G6	12,8	230,4	301	10
03110G72051M15	5G1,5	8,6	72	116	16	03110G72041M61	4G10	16,5	384	497	8
03110G70071M15	7G1,5	10,2	100,8	167	16	03110G72041M62	4G16	20,7	614,4	769	6
03110G70121M15	12G1,5	12,6	172,8	246	16	03110G72041M63	4G25	24,3	960	1125	4
03110G70181M15	18G1,5	15	259,2	369	16	03110G72041M64	4G35	28,5	1344	1585	2
						03110G72041M65	4G50	32,1	1920	2232	1
						03110G72051M61	5G10	18,2	480	616	8
						03110G72051M62	5G16	23,1	768	980	6
						03110G72051M63	5G25	27,1	1200	1434	4