ÜNFLEX PUR - C - HF

LV Screened Festoon Cable

CABLE STRUCTURE

Conductor	Electrolytic, stranded, plain annealed copper wire Class 5 according to IEC 60228
Insulation	All cores are insulated with halogen free compound, based on polyester
Core Identification	Up to 5 cores: colored in accordance with DIN VDE 0293-308; From 6 cores: white cores with black numbers
Lay Up	Central textile strength member, cores laid up in concentric layers with shorth length of lay
Inner Sheath	Halogen Free, flame retardant Polyurethane compound
Screen	Tinned copper wire braiding, coverage min. 80 %
Outher Sheath	Halogen Free, flame retardant Polyurethane compound Black - Yellow - Orange

STANDARDS &MAIN CHARACTERISTICS

Construction	Generally to IEC 60502
Electrical Tests	DIN VDE 0472-501, 502, 503, 508
Non-Electrical Tests	DIN VDE 0472-401, 402, 602, 303, 615
General Requirements	DIN VDE 0250-1 and IEC 60502
Flame Retardant	IEC 60332-1
Oil Resistant	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

OPERATING CHARACTERISTICS

Rated Voltage	0,6 / 1 kV
Max. Operating Ac Voltage	0,7 / 1.2 kV
Max. Operating Dc Voltage	0,9 / 1.8 kV
Ac Test Voltage	3,5 kV
Min Bending Radius	6 x D (fixed application) 8 x D (mobile applications)
Current Carrying Capacities	According to DIN VDE 0298-4
Max. Surface Temperature	Fixed installation - 50 °C up to + 80 °C
Max. Temperature at The Conductor	Mobile operation - 40 °C up to + 80 °C in service + 90 °C under short-circuit conditions + 250 °C
Max. Tensile Load On Conductor	15 N / mm²
Max. Torsion	±25 ° / m
Travel Speed	
In Festoon Systems	up to 200 m / min
In Reeling Applications	up to 60 m / min. horizantal
In Chain Systems	up to 200 N / mm

Application

For use as energy and control cable in festoon systems and as a drag chain cable. The special polyurethane compound jacket offers a very good protection against hydrolysis,solvents, alkalines and oils Copper screens are ef cient against electromagnetic effects caused by other cables.

Mechanical Stresses Resistance · Cold Resistant · Tear Resistant · Uv Resistant · Ozone Resistant · Weather Resisitant · High Abrasion Resistance · Ex-Proof

Cross Section (mm²)	Overall Diameter Min. - Max. (mm)	Approximate Weight (kg / km)
4 x 1,5	10,8 - 12,0	232
5 x 1,5	10,9 - 12,1	260
7 x 1,5	10,9 - 12,1	270
12 x 1,5	15,0 - 16,2	360
18 x 1,5	15,4 - 17,2	424
4 x 2,5	12,1 - 13,2	248
5 x 2,5	12,8 - 14,0	268
12 x 2,5	17,0 - 18,8	520
18 x 2,5	17,5 - 19,2	630
5 x 4	13,8 - 15,0	344
4 x 6	15,1 - 16,3	426
4 x 10	18,4 - 19,6	636
4 x 16	21,2 - 22,5	932
4 x 25	24,5 - 26,2	1400
4 x 35	29,6 - 31,6	1820
4 x 50	35,1 - 37,6	2510