CERVIFLEX CHAIN PE/PUR HF
Cable chains - UL/CSA

Construction

Conductor	Extra flexible bare copper wires
	Class VI Acc. to UNE-EN 60228
Insulation	Polyolefin (UL-CSA Standards)
	Identification: Black numbered + Yellow/Green
General assembly	· Up to 12 conductors: In concentric crowns
	· > 12 conductors: In sets
	Non-woven textile tape casing over the assembly
Outer sheath	Polyurethane (UL-CSA Standards)
	Grey RAL 7040 according DESINA

Technical characteristics

Operating voltage	300 V : Sections from 0,5mm² (AWG21) to 1,0mm² (AWG18)
	1000 V : Sections > 1,0mm² (AWG18)
Test Voltage	2000 V : Sections from 0,5mm² (AWG21) to 1,0mm² (AWG18)
	3000 V : Sections > 1,0mm² (AWG18)
Operating Tª (conductor)	-40°C to +80°C
Min. bending radius	Fixed Installation: 5xD
	Moving cable:
	· From 0,5mm² to 16mm²: 7,5xD
	· From 25mm²: 10xD
Characteristics in dynamic installations	
	Maximum speed: 300 m/min
	Maximum acceleration: 50 m/s²
	Maximum lenght of the chain: 15 m (horizontal)
	Life cycle in flexion: 6.000.000

Application

Power and control cable designed for use in industrial processes. Extraflexible and with high resistance to abrasion and flexion in dynamic installations, especially recommended for use in cable chains when good electromagnetic protection is required. Likewise, du to its UV radiation, ozone, and humidity resistance, the cable can also be used in outdoor applications.

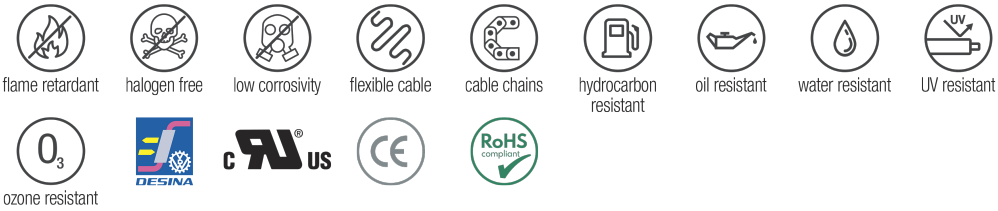
Standards / Properties

Ref. for construction/drawing	According NFPA 79-2012 Chapter 12.9
	According UL 758, UL 1581 y CSA 22.2 210.2
	· Sections from 0,5mm² (AWG21) to 1,0mm² (AWG18): UL 80° 300V - CSA AWM I/II A/B 80°C 300V
	· Sections > 1,0mm² (AWG18): UL 80° 300V - CSA AWM I/II A/B 80°C 300V
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
	CEI 20-35
	UL VW-1
	CSA FT1
Halogen free	UNE-EN 60754-1 (IEC 60754-1)
	CEI 20-37

Code:
Family: 280
Revision: 6
Date: 13/10/2017

Realized: **Approved:**

Low corrosivity	UNE-EN 60754-2 (IEC 60754-2)
	(pH >= 4,3 ; conductivity =< 10µS/mm)
Oil and hydrocarbon resistant	UL 1581
	VDE 0472 part 803 A/B
	HD 22.10 S1
	CNOMO E.03.40.150N
Water resistant	UL 1581
	IEC 60811



Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
28004702	2x0.5	5	43	39
28007602	3G0.5	5.4	52	39
28012502	4G0.5	5.9	62	39
28015502	5G0.5	6.1	73	39
28019302	7G0.5	7.5	94	39
28025802	12G0.5	8.8	148	39
28029502	18G0.5	12	217	39
28034202	25G0.5	13.8	299	39
	34G0.5	16.7	380	39
	41G0.5	18.4	436	39
28005402	2x1	6	52	19.5
28008302	3G1	6.5	63	19.5
28013202	4G1	7	76	19.5
28016102	5G1	7.5	91	19.5
28019502	7G1	9	118	19.5
28026002	12G1	10.8	187	19.5
28029702	18G1	16	273	19.5
28034402	25G1	17.6	316	19.5
28037302	34G1	22	494	19.5
28040702	41G1	24.4	576	19.5
28005502	2x1.5	7	68.8	13.3
28008402	3G1.5	7.7	85	13.3
28013302	4G1.5	8.2	105	13.3
28016202	5G1.5	8.9	125	13.3
28019602	7G1.5	11	163	13.3
28026102	12G1.5	13	268	13.3
28029802	18G1.5	19.2	385	13.3
28034502	25G1.5	21.8	530	13.3
28039702	34G1.5	26.5	710	13.3
28040802	41G1.5	29.2	883	13.3
28005702	2x2.5	8.6	94	7.98
28008602	3G2.5	9.2	118	7.98
28013502	4G2.5	10	146	7.98
28016302	5G2.5	11	175	7.98
28019702	7G2.5	13.5	232	7.98
28026202	12G2.5	16	385	7.98
28029902	18G2.5	24.6	555	7.98
28034602	25G2.5	28	781	7.98
28005802	2x4	10.2	135	4.95
28008802	3G4	11	172	4.95
28013702	4G4	11.8	215	4.95
28016402	5G4	13	264	4.95
28019802	7G4	15.6	356	4.95
28019800	7G4 Black	15.6	356	4.95

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
28013802	4G6	13.6	328	3.3
28016502	5G6	14.8	396	3.3
28019902	7G6	18.2	534	3.3
28013902	4G10	17.8	527	1.91
28016602	5G10	18.8	646	1.91
28020002	7G10	23.5	883	1.91
28014002	4G16	20.4	858	1.21
28016702	5G16	22.7	1042	1.21
28020102	7G16	28	1386	1.21
28014102	4G25	25.2	1316	0.78
28014202	4G35	30.5	1865	0.554
28014302	4G50	36.6	2867	0.386
28014402	4G70	39.4	3562	0.272
28014502	4G95	45.6	4714	0.206

Legend

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
R at 20°C (Ohm/Km)	Conductor resistance at 20ºC (Ohm/km)