

Temperature range (static)	max -40/+80°C
Temperature range (dynamic)	-25/+80°C "free motion" without periodic recurrence and forced guidance
Temperature range (in drag chain)	-5/+60°C
Voltage rating	600V
Bending radius (static)	<5xO.D.
Bending radius (drag chain)	<15x O.D.
Max installation pulling force	110 N
Flame resistant	IEC60332-1, UL Vertical flame test, CSA FT-1
Oil resistant	ISO6722, UL758 / 2556 (immersion at 100° in oil IRM902 ex ASTM2)
Free of FCKW, Silicone and Pb	yes
UV resistant	yes (UL1581/2556-max 300h)
Weld Slag Resistance	yes, S-300 Molex test
(*)Suitable for Drag Chain application (25°)	>2Mio (subject to correct installation), Axial D.C., 200m/min, 2m/s2
(*)Suitable for Torsion application (25°)	optimal-recommended +/-30°/m
Homologation	UL Style 21215 + CSA ; rating 80°C 600V
Accordance to Directives:	2006/95/CE; 2004/108/CE; 2011/65/CE (RoHS)
Electrical and transmission properties at 20°C (*)	
Max. resistance	55Ω/Km
Resistance unbalance	<3%
Impedance (>1MHz)	100Ω +/-15
Insulation resistance (20C)	>5000 MΩ x Km
Nominal Capacitance @ 1KHz	50 pF/m
Capacitance pair to ground	<1600pF/m
Voltage test (core/core)	2000Vx 1'Va.c. (IEC60885-1)
Voltage test (core/screen)	2000Vx 1'Va.c. (IEC60885-1)

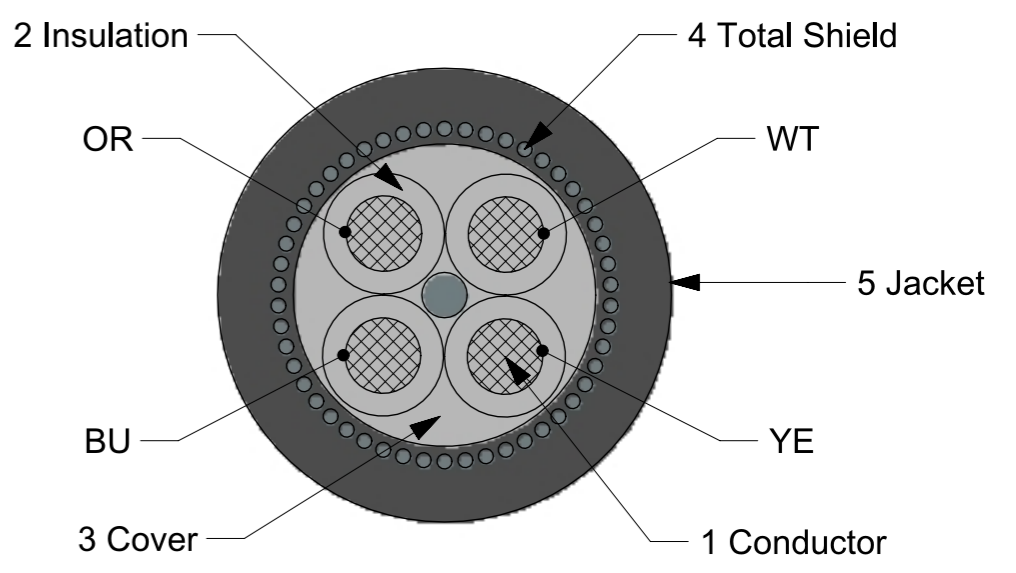
PROFINET COIL

WIRE	CABLE COLOR	PN	ENGINEERING NO.	DESCRIPTION
4POLE	GREEN	1121800077	CAB-12-100	COIL 100M CABLE 2X2X22AWG TPU GN DCS

PROFINET RAW CABLE

WIRE	CABLE COLOR	PN	ENGINEERING NO.	DESCRIPTION
4POLE	GREEN	1202098313	CAB-12	CABLE;2x2x22AWG;GN;6.70;TPU-SPEC;7x0.25

PROFINET TYPE C FAST CONNECT CABLE 2x2x22AWG



1 Conductor		A
Material	Bare Copper	
Stranding	7x0.25 n°x mm	
Nominal Section	22/0.34 AWG/mm²	
2 Insulation		
Conductor nr.	4	
Nominal Diameter	1.45 mm	
Compound	HDPE	
Colors	See sketch (clockwise end of reel)	
3 Cover		B
Compound	Flame ratardant compound Avg.	
Thickness	0.35 mm nom.	
Hardness	81 ShA	
Color	natural white	
Diameter	4.20 mm	
4 Total Shield		C
Tape	Aluminium/Polyester (Al outer)	
Braid	Tin Copper	
Coverage %	>85 %	
5 Jacket		D
Compound	Special compound (TPU based) Avg.	
Thickness	1.00 mm nom.	
Hardness	85 ShA	
Color	Green	
Diameter	6.70 +/- 0.20 mm	

* Default criterium of the norm-bendings is electrical failure due to conductor breakage or conductor short-circuit. Extreme sheath adhesion is not a default criterium since it can not be influenced by the cable manufacturer (e.g. through big abrasion between cable and chain, non-suitable chain construction or wrong installation of cable in the cain).

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

IPG2015-0609 EC NO: SD-120209-007 DRWN: FSCHAFHAUSER 14/10/06 CHK'D: SCHALAIPOPOU 14/10/07 APPR: CBURGER 14/10/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex CABLE HDPE PROFINET TYPE C FAST CONNECT 2x2x22AWG WELD SLAG RESISTANCE PRODUCT DESIGN DRAWING SERIES MATERIAL NUMBER CUSTOMER SEE TABLE GENERAL MARKET DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER SD-120209-007 PDD 000 1 OF 1	
	▽ = 0	ANGULAR TOL ± 1/2 °	mm	1:1		
	▽ = 0	4 PLACES ± 0.00000	DRWN BY	DATE		FSCHAFHAUSER 2014/10/06
	▽ = 0	3 PLACES ± 0.00000	CHK'D BY	DATE		SCHALAIPOPOU 2014/10/07
		2 PLACES ± 0.000	APPR BY	DATE		CBURGER 2014/10/10
	1 PLACE ± 0.00	DRAFT WHERE APPLICABLE	DRAWING SIZE	THIRD ANGLE PROJECTION		
	0 PLACES ± 0.00	MUST REMAIN WITHIN DIMENSIONS	A3			