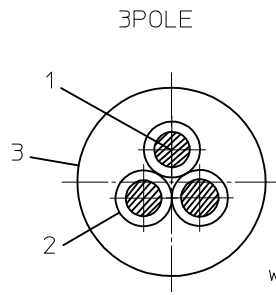
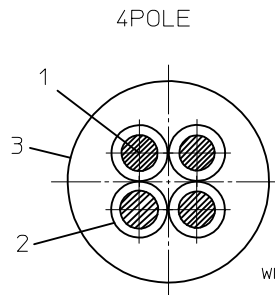


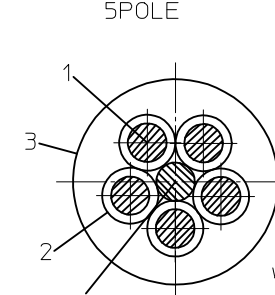
CABEL CONSTRUCTION



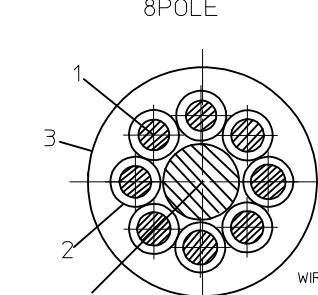
WIRE COLOR
brown
blue
black



WIRE COLOR
black
brown
white
blue



WIRE COLOR
black
green/yellow
brown
white
blue

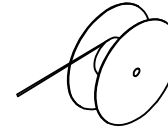


WIRE COLOR
brown
green
yellow
grey
pink
blue
red
white

1 Conductor:		Bare Copper							
Material									
Stranding	42x0,10	n° x mm	42x0,10	n° x mm	42x0,10	n° x mm	32x0,10	n° x mm	
Section	22/0,34	AWG/mm²	22/0,34	AWG/mm²	22/0,34	AWG/mm²	24/0,25	AWG/mm²	
Electrical resistant	<61,6(IEC60344)	Ohm/Km	<61,6(IEC60344)	Ohm/Km	<61,6(IEC60344)	Ohm/Km	<80,9(IEC60344)	Ohm/Km	
Type of Strand	Cl.6 VDE 0295								
Copper Standart	EN 13602- ETP1, DIN 40500 E-Cu 58								
Conducibility	>100%IACS								
Tensile Strength					>200 (ISO6892/IEC60189-1/EN 50289-3-2)		N/mm²		
Elongation					>8 (ISO6892 IEC60189-1/EN 50289-3-2)		%		
2 Insulation:									
Conductor nr.	3		4		5		8		
Diameter	1,25 +/-0,10 mm		1,25 +/-0,10 mm		1,25 +/-0,10 mm		1,15 +/-0,10 mm		
Compound	TPE								
Avg. thickness	0,25 (nom.) mm								
Hardness	60 ShD								
Standart	UL 758 - CSA C22.2								
Assembly	Backtorsion: Max lay 12xd, Direction Sx(S)								
Color	see picture (Clockwise end of reel)								
3 Jacket:									
Compound	Special compound (TPU based)								
Avg. thickness	1,00 nom. mm								
Hardness	85 ShA								
Color	see chart 1								
Diameter	4,80 +/- 0,20 mm		5,10 +/- 0,20 mm		5,50 +/- 0,20 mm		6,40 +/- 0,20 mm		
Strandart	UL 758 - CAS C22.2								

ENTER DESCRIPTION EC NO: IPG2015-0023 DRW:NFSCHAFHAUSER 2014/07/03 CHKD:THAEROT 2014/07/04 APPR:RSILLER 2014/07/15	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		mm	INCH	DRAWN BY	DATE	TITLE	CABLE TPU UNSH DCS WELD SLAG RESISTANCE molex MATERIAL NO. SD-120209-001 DOCUMENT NO. SHEET NO. 1 OF 2			
		4 PLACES	± ---	± ---	APOHL	2013/10/11				
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
2 PLACES	± ---	± ---	REISSNER	2014/03/26						
1 PLACE	± ---	± ---	APPROVED BY	DATE	SEE PAGE 2					
0 PLACE	± ---	± ---	CBURGER	2013/10/29						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±---°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

MECHANICAL AND ELECTRICAL CHARACTERISTICS



Coil of 200m / 100m

Temperature range (static)	max. -40/+90 °C (ISO 6722)
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)	up to 5x O.D.
Bending radius (drag chain)	up to 7,5x O.D.
Max installation pulling force	3pol = 110N / 4pol = 150N / 5pol = 180N / 8pol = 220N
Capacitance (typ)	95 pF/m (IEC 60189-1-8.4)
Voltage test (core/core)	2500Vx1Va.c. (IEC60885-1)
voltage test (core/screen if present)	1500Vx1Va.c. (IEC60885-1)
Insulation resistance (20°C)	>100 MOhmXKm (IEC60189-1 & IEC60885-1 or EN50289-1-4)
Volume resistivity (20°C)	>100 OhmXcm (ASTM D257)
Flame resistant	IEC60332-1, UL Vertical flame test , CSA FT-1
Oil resistant	ISO6722, UL758/2556 (immersion at 100°C in oil IIRM902 ex ASTM2)
Free of FCKW, Silicone and Pb	yes
UV resistant	yes (UL1581/2556-300h)
Tear resistant	yes (EN50396)
Hydrolysis resistant	yes (EN50396)
Weld Slag resistance	yes , S-300 MOLEX test
Suitable for Drag Chain application (25°C)	up tp 5 Mio (subject to correct installation), Axial D. C., 200m/min, 5m/s²
Suitable for Torsion application (25°C)	max +180°/m, optional-recommended +30°/m
Homologation	UL Style 21215 + CSA; rating 80°C 600V

WIRE	CABLE COLOR	PN	ENGINEERING NO.	DESCRIPTION
3POLE	black	1121800003	B30-3-200	Cable 3x0,34 TPU BK D4,80 TPE UNSH DCS 200M weld slag resistance
4POLE	black	1121800004	B30-4-200	Cable 4x0,34 TPU BK D5,10 TPE UNSH DCS 200M weld slag resistance
5POLE	black	1121800005	B30-5-200	Cable 5x0,34 TPU BK D5,50 TPE UNSH DCS 200M weld slag resistance
8POLE	black	1121800006	B41-8-100	Cable 8x0,25 TPU BK D6,40 TPE UNSH DCS 100M weld slag resistance
3POLE	orange	1121800007	B36-3-200	Cable 3x0,34 TPU OR D4,80 TPE UNSH DCS 200M weld slag resistance
4POLE	orange	1121800008	B36-4-200	Cable 4x0,34 TPU OR D5,10 TPE UNSH DCS 200M weld slag resistance
5POLE	orange	1121800009	B36-5-200	Cable 5x0,34 TPU OR D5,50 TPE UNSH DCS 200M weld slag resistance
8POLE	orange	1121800010	B49-8-100	Cable 8x0,25 TPU OR D6,40 TPE UNSH DCS 100M weld slag resistance
3POLE	grey	1121800011	B33-3-200	Cable 3x0,34 TPU GY D4,80 TPE UNSH DCS 200M weld slag resistance
4POLE	grey	1121800012	B33-4-200	Cable 4x0,34 TPU GY D5,10 TPE UNSH DCS 200M weld slag resistance
5POLE	grey	1121800013	B33-5-200	Cable 5x0,34 TPU GY D5,50 TPE UNSH DCS 200M weld slag resistance
8POLE	grey	1121800014	B44-8-100	Cable 8x0,25 TPU GY D6,40 TPE UNSH DCS 100M weld slag resistance

RAW CABLE

WIRE	CABLE COLOR	PN	ENGINEERING NO.	DESCRIPTION
3POLE	black	1202091036	B30-3	Cable 3x0,34 TPU BK D4,80 TPE UNSH DCS weld slag resistance
4POLE	black	1202091037	B30-4	Cable 4x0,34 TPU BK D5,10 TPE UNSH DCS weld slag resistance
5POLE	black	1202091038	B30-5	Cable 5x0,34 TPU BK D5,50 TPE UNSH DCS weld slag resistance
8POLE	black	1202091039	B41-8	Cable 8x0,25 TPU BK D6,40 TPE UNSH DCS weld slag resistance
3POLE	orange	1202091040	B36-3	Cable 3x0,34 TPU OR D4,80 TPE UNSH DCS weld slag resistance
4POLE	orange	1202091041	B36-4	Cable 4x0,34 TPU OR D5,10 TPE UNSH DCS weld slag resistance
5POLE	orange	1202091042	B36-5	Cable 5x0,34 TPU OR D5,50 TPE UNSH DCS weld slag resistance
8POLE	orange	1202091043	B49-8	Cable 8x0,25 TPU OR D6,40 TPE UNSH DCS weld slag resistance
3POLE	grey	1202091044	B33-3	Cable 3x0,34 TPU GY D4,80 TPE UNSH DCS weld slag resistance
4POLE	grey	1202091045	B33-4	Cable 4x0,34 TPU GY D5,10 TPE UNSH DCS weld slag resistance
5POLE	grey	1202091046	B33-5	Cable 5x0,34 TPU GY D5,50 TPE UNSH DCS weld slag resistance
8POLE	grey	1202091047	B44-8	Cable 8x0,25 TPU GY D6,40 TPE UNSH DCS weld slag resistance

ENTER DESCRIPTION EC NO: IPG2015-0023 DRW:NFSCHAFHAUSER 2014/07/03 CHKD:THAERDT 2014/07/04 APPR:RSILLER 2014/07/15	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:20	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY APOHL	DATE 2013/10/11	CABLE TPU UNSH DCS WELD SLAG RESISTANCE molex SD-120209-001 SHEET NO. 2 OF 2		
		4 PLACES	± ---	± ---	CHECKED BY REISSNER	DATE 2014/03/26			
		3 PLACES	± ---	± ---	APPROVED BY CBURGER	DATE 2013/10/29			
2 PLACES	± ---	± ---	MATERIAL NO.	DOCUMENT NO.					
1 PLACE	± ---	± ---	ANGULAR ± --- °		SEE TABLE				
0 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				