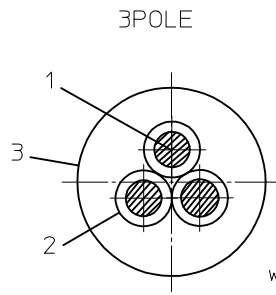
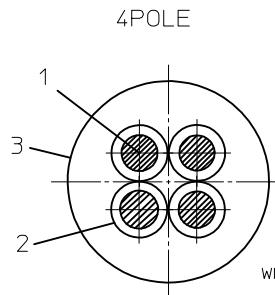


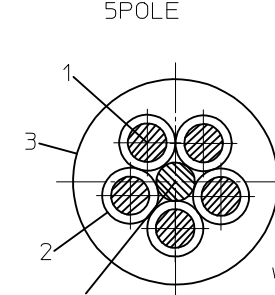
CABEL CONSTRUCTION



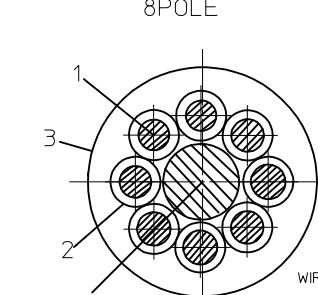
WIRE COLOR  
brown  
blue  
black



WIRE COLOR  
black  
brown  
white  
blue



WIRE COLOR  
black  
green/yellow  
brown  
white  
blue

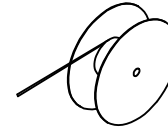


WIRE COLOR  
brown  
green  
yellow  
grey  
pink  
blue  
red  
white

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								

<b>ENTER DESCRIPTION</b> EC NO: IPG2015-0023 DRW:NFSCHAHAUSER 2014/07/03 CHKD:THAEROT 2014/07/04 APPR:RSILLER 2014/07/15	<b>QUALITY SYMBOLS</b> ▽=0 ◻=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		mm	INCH	DRAWN BY	DATE	TITLE	CABLE TPU UNSH DCS WELD SLAG RESISTANCE <b>molex</b> SD-120209-001 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							
0 PLACE ± --- ± ---		CBURGER	2013/10/29							
ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE PAGE 2		SIZE A3		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 REV 4	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 <b>molex</b> 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	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				
0 PLACE	± ---	± ---			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			