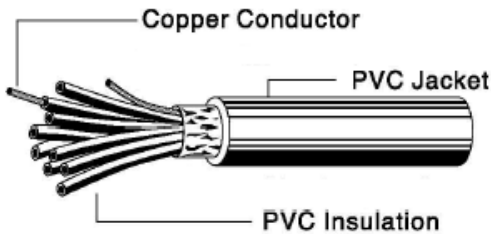
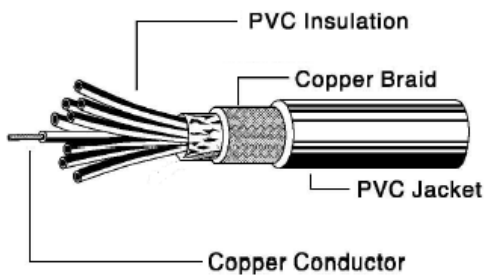


Super Flexible & Oil Resistance Robot Cable for 600V(PVC-PVC)

General Type



Braid Shield Type



Recommended Application:

Cable tracks
Gantry robots
Pick and place units
Conveyor systems
Machine tools
Automated handing equipment
Continuous flexing applications



Product Description

SINYU introduce the Super Flexible Oil Resistance [SFOR] multi-conductor control cable, suitable for continuous flex applications in the cable tracks, robots, machine tools and automated equipment applications. Long terms in-site test results shows that this cable is ultra durable withstand in mineral oils and diesel oils complex harsh working environment. Conform to UL, CSA and VDE oil resistance standards.

Properties

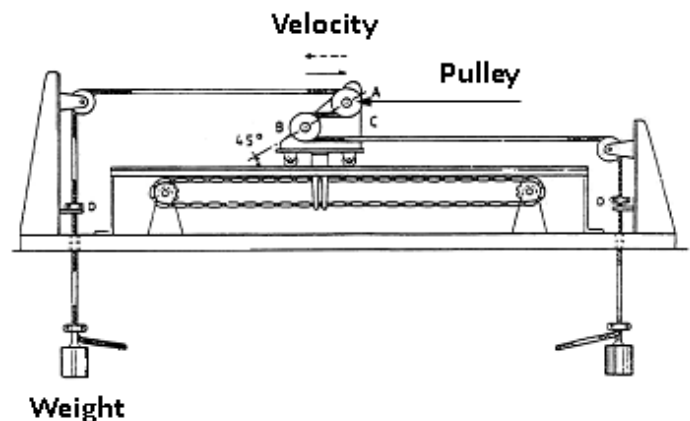
- Cable Flexing Test**(as following):
7.5R is over 1 million times
15R is over 8 million times
- Min. bending radius: 7.5x cable diameter
- Oil resistance:
 - ✓ UL, In oil for 60 days @ 80°C
(65% Un-aged Tensile Strength & Elongation)
 - ✓ CSA, In oil for 60 days @ 80°C
(65% Un-aged Tensile Strength & Elongation)
 - ✓ VDE, In oil for 7 days @ 90°C
(±25% Un-aged Tensile Strength & Elongation)
- Conductor: Bare or Tinned stranded copper
- Insulation and Jacket: PVC
- Shielding: Tinned copper wire braiding
- Rating: 105°C, 600V
- Flammability test: VW-1, FT1
- Comply with **UL 2586**
- Comply with **RoHS**

Cable Flexing Test

Cable OD (mm)	8	12	16
Bending radius (mm)	60	70	80
Tensile load (kg)	1	1.5	2.0

All specimens pass the "1 million" test cycles.

Velocity: 0.33m/sec,
Stroke: 1 meter
Suitable current loaded



Super Flexible & Oil Resistance Robot Cable for 600V(PVC-PVC)

General Type

Ordering #	Conductor		Core #	Cable OD	Est. Weight		
	mm ²	No. /mm		mm	Kg /100M		
SFOR-G2002	0.5	45 /0.12	2	6.0	5.2		
SFOR-G2003			3	6.4	6.2		
SFOR-G2004			4	6.9	7.4		
SFOR-G2005			5	7.4	8.7		
SFOR-G2006			6	8.0	10.2		
SFOR-G2007			7	8.7	12.0		
SFOR-G2008			8	9.7	14.7		
SFOR-G2010			10	10.9	18		
SFOR-G2012			12	10.9	19		
SFOR-G2016			16	12.2	25		
SFOR-G2024			24	15.5	39		
SFOR-G2032			30	16.1	45		
SFOR-G1802			0.75	67 /0.12	2	6.8	6.8
SFOR-G1803					3	7.2	8.1
SFOR-G1804	4	7.8			9.8		
SFOR-G1805	5	8.5			11.8		
SFOR-G1806	6	9.6			14.8		
SFOR-G1807	7	10.4			17		
SFOR-G1808	8	11.1			20		
SFOR-G1810	10	13.0			27		
SFOR-G1812	12	13.0			28		
SFOR-G1816	16	14.3			34		
SFOR-G1824	24	18.2			55		
SFOR-G1832	30	18.6			63		
SFOR-G1702	1.0	91 /0.12			2	7.2	7.9
SFOR-G1703					3	7.6	9.5
SFOR-G1704			4	8.3	11.6		
SFOR-G1705			5	9.4	14.8		
SFOR-G1706			6	10.5	18.2		
SFOR-G1707			7	11.0	20.4		
SFOR-G1708			8	12.2	24.6		
SFOR-G1710			10	14.1	32.3		
SFOR-G1712			12	13.6	32.2		
SFOR-G1716			16	15.2	41.1		
SFOR-G1724			24	19.5	65.6		
SFOR-G1732			30	20.2	75.6		

Ordering #	Conductor		Core #	Cable OD	Est. Weight		
	mm ²	No. /mm		mm	Kg /100M		
SFOR-G1502	1.5	133 /0.12	2	8.0	10.1		
SFOR-G1503			3	8.5	12.2		
SFOR-G1504			4	9.6	16.0		
SFOR-G1505			5	10.5	19.3		
SFOR-G1506			6	11.8	24.0		
SFOR-G1507			7	12.8	28.2		
SFOR-G1508			8	13.7	32.3		
SFOR-G1510			10	15.8	42.1		
SFOR-G1512			12	15.5	43.2		
SFOR-G1516			16	17.3	55.2		
SFOR-G1524			24	22.4	89.3		
SFOR-G1532			30	23.2	103.4		
SFOR-G1302			2.5	224 /0.12	2	9.8	15.6
SFOR-G1303					3	10.4	19.0
SFOR-G1304	4	11.3			23.5		
SFOR-G1305	5	12.8			29.8		
SFOR-G1306	6	14.1			36.1		
SFOR-G1307	7	15.3			42.3		
SFOR-G1308	8	16.6			49.4		
SFOR-G1310	10	18.9			63.2		
SFOR-G1312	12	18.6			65.7		
SFOR-G1316	16	20.6			83.2		
SFOR-G1102	4.0	203 /0.16			2	12.8	26.3
SFOR-G1103					3	13.6	32.0
SFOR-G1104					4	15.1	40.4
SFOR-G1105					5	16.7	49.9
SFOR-G1106			6	18.2	59.5		
SFOR-G1107			7	19.8	70.1		
SFOR-G1108			8	21.7	82.9		
SFOR-G1110			10	24.8	106.8		
SFOR-G1112			12	24.4	110.6		
SFOR-G1116			16	27.1	140.5		
SFOR-G0902			6.0	301 /0.16	2	14.4	34.7
SFOR-G0903					3	15.3	42.6
SFOR-G0904					4	17.0	53.9
SFOR-G0905					5	18.6	65.7
SFOR-G0906	6	20.3			78.5		
SFOR-G0907	7	22.5			94.7		
SFOR-G0908	8	24.2			109.1		

Super Flexible & Oil Resistance Robot Cable for 600V(PVC-PVC)

Braid Shield Type

Ordering #	Conductor		Core #	Braid %	Cable OD mm	Est. weight Kg /100M			
	mm ²	No. /mm							
SFOR-G2002	0.5	45 /0.12	2	85%	6.6	6.1			
SFOR-G2003			3		7.0	7.3			
SFOR-G2004			4		7.5	8.6			
SFOR-G2005			5		8.0	9.9			
SFOR-G2006			6		8.6	11.3			
SFOR-G2007			7		9.7	13.6			
SFOR-G2008			8		10.3	15			
SFOR-G2010			10		11.9	19			
SFOR-G2012			12		11.9	21			
SFOR-G2016			16		12.8	25			
SFOR-G2024			24		16.3	37			
SFOR-G2032			30		16.7	45			
SFOR-G1802			0.75		67 /0.12	2	85%	7.4	7.5
SFOR-G1803						3		7.8	9.2
SFOR-G1804	4	8.4		10.9					
SFOR-G1805	5	9.5		13.7					
SFOR-G1806	6	10.2		16					
SFOR-G1807	7	11.0		18					
SFOR-G1808	8	12.1		21					
SFOR-G1810	10	13.6		25					
SFOR-G1812	12	13.6		28					
SFOR-G1816	16	14.9		35					
SFOR-G1824	24	18.8	50						
SFOR-G1832	30	19.2	61						
SFOR-G1702	1.0	91 /0.12	2	85%	7.8	8.6			
SFOR-G1703			3		8.3	10.6			
SFOR-G1704			4		8.9	12.7			
SFOR-G1705			5		10.1	15.9			
SFOR-G1706			6		11.1	18.6			
SFOR-G1707			7		12.0	21.8			
SFOR-G1708			8		12.8	24.3			
SFOR-G1710			10		14.7	30.1			
SFOR-G1712			12		14.5	33.2			
SFOR-G1716			16		15.9	41.0			
SFOR-G1724			24		20.1	59.4			
SFOR-G1732			30		21.3	75.3			

Ordering #	Conductor		Core #	Braid %	Cable OD mm	Est. weight Kg /100M			
	mm ²	No. /mm							
SFOR-G1502	1.5	133 /0.12	2	85%	8.6	10.5			
SFOR-G1503			3		9.5	14.1			
SFOR-G1504			4		10.3	17.1			
SFOR-G1505			5		11.1	20.1			
SFOR-G1506			6		12.4	24.5			
SFOR-G1507			7		13.4	27.8			
SFOR-G1508			8		14.5	31.6			
SFOR-G1510			10		16.6	39.0			
SFOR-G1512			12		16.3	43.2			
SFOR-G1516			16		17.9	54.3			
SFOR-G1524			24		23.0	80.1			
SFOR-G1532			30		23.9	99.4			
SFOR-G1302			2.5		224 /0.12	2	85%	10.4	15.4
SFOR-G1303						3		11.0	19.6
SFOR-G1304	4	12.4		25.3					
SFOR-G1305	5	13.4		30.1					
SFOR-G1306	6	14.7		35.5					
SFOR-G1307	7	15.9		40.6					
SFOR-G1308	8	17.2		46.1					
SFOR-G1310	10	19.5		56.1					
SFOR-G1312	12	19.2		63.0					
SFOR-G1316	16	21.6		81.8					
SFOR-G1102	4.0	203 /0.16	2	85%	13.4	24.4			
SFOR-G1103			3		14.4	32.1			
SFOR-G1104			4		15.7	39.7			
SFOR-G1105			5		17.3	48.5			
SFOR-G1106			6		18.8	56.3			
SFOR-G1107			7		20.4	64.3			
SFOR-G1108			8		22.3	74.7			
SFOR-G1110			10		25.4	90.9			
SFOR-G1112			12		25.0	102.9			
SFOR-G1116			16		25.0	102.9			
SFOR-G0902	6.0	301 /0.16	2	85%	15.0	31.5			
SFOR-G0903			3		15.9	41.0			
SFOR-G0904			4		17.6	52.3			
SFOR-G0905			5		19.2	62.7			
SFOR-G0906			6		21.3	75.3			
SFOR-G0907			7		23.1	86.5			
SFOR-G0907	8	24.8	97.2						