

## FLEX-54-P Yellow Polyurethane



**FLEX-54-P** is a yellow polyurethane, flexible, oil-resistant, multi-conductor safety, power and control cable designed for use in all electrical equipment in wet and dry conditions in both hot and cold temperatures. Suitable for use in flexible or stationary applications. Common applications include machine tool connections, extension and connections to hand-held devices and in construction and camping appliances. Found in portable hand tools, power supply lines, construction sites, mobile sales booths, gardening equipment, agriculture equipment and car wash equipments. The rugged halogen-free and flame retardant polyurethane outer jacket ensures excellent chemical, coolant, abrasion and tear resistance making **FLEX-54-P** suitable for applications in contact with mineral oils and chemicals. Indoor and outdoor installations are both permitted.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special TPE core insulation
- Color code VDE-0293-308
- Cores twisted in layers
- PUR outer jacket - yellow (RAL 1016)
- "OB" denotes no ground wire
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500 volts
- Voltage 450/750v (16 AWG and up)
- Test voltage: 3000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### Approvals:

- VDE-0245, 0250, 0282
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>18 AWG (24/32) 0,75mm2</b>				
1741802 OB	2	0.260" / 6.6mm	9	34
1741803	3	0.276" / 7.0mm	14	47
1741804	4	0.299" / 7.6mm	19	54
1741805	5	0.335" / 8.5mm	24	66
1741807 *	7	0.402" / 10.2mm	34	95
<b>17 AWG (32/32) 1,0mm2</b>				
1741702 OB	2	0.276" / 7.0mm	13	42
1741703	3	0.291" / 7.4mm	19	51
1741704	4	0.323" / 8.2mm	25	62
1741705	5	0.354" / 9.0mm	32	81
1741707 *	7	0.429" / 10.9mm	46	115
<b>16 AWG (30/30) 1,50mm2</b>				
1741602 OB	2	0.331" / 8.4mm	19	54
1741603	3	0.350" / 8.9mm	29	77
1741604	4	0.390" / 9.9mm	39	97
1741605	5	0.429" / 10.9mm	48	119
1741607 *	7	0.547" / 13.9mm	68	179
<b>14 AWG (50/30) 2,50mm2</b>				
1741402 OB	2	0.394" / 10.0mm	32	101
1741403	3	0.417" / 10.6mm	48	116
1741404	4	0.465" / 11.8mm	61	150
1741405	5	0.528" / 13.4mm	80	181
1741407 *	7	0.622" / 15.8mm	161	215
<b>12 AWG (56/28) 4,0mm2</b>				
1741203	3	0.512" / 13.0mm	77	176
1741204	4	0.559" / 14.2mm	103	198
1741205	5	0.630" / 16.0mm	129	239
<b>10 AWG (84/28) 6,0mm2</b>				
1741004	4	0.634" / 16.1mm	154	295
1741005	5	0.693" / 17.6mm	193	355
<b>8 AWG (80/26) 10,0mm2</b>				
1740804	4	0.783" / 19.9mm	258	412
1740805	5	0.874" / 22.2mm	322	492

\* 7-core color code is all black w/ white numbers and a green/yellow ground.

\*\* Additional sizes may be available.