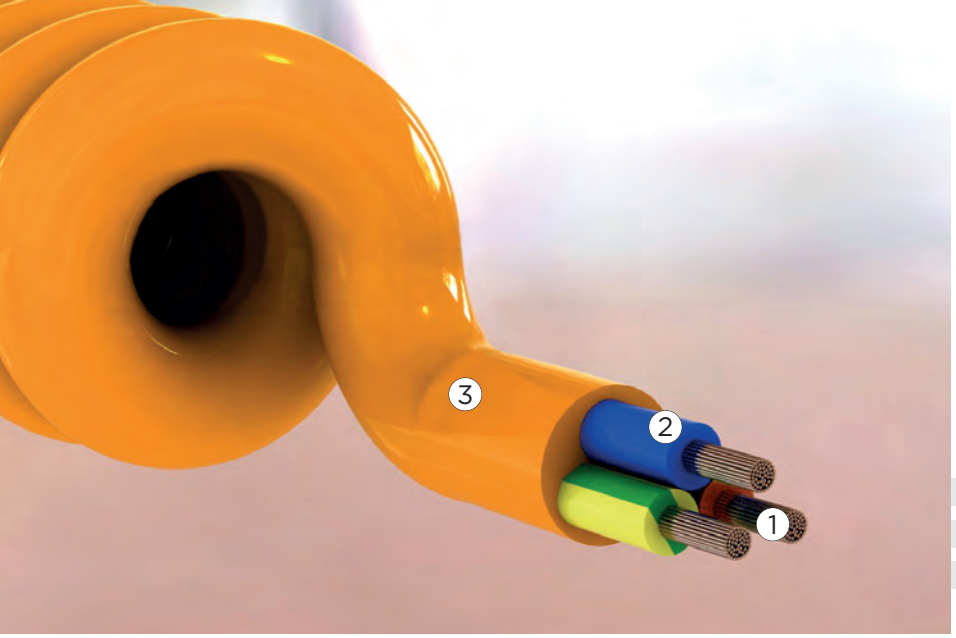
EXTENSIFLEX-G (H05BQ-F / H07BQ-F)

EPR/PUR Spiral cable

Application
Extensiflex G is a hard wearing cable suitable for most arduous applications including robots, electric doors, heavy duty machines, lifting ramps and drilling machines. These cables have been tested to over 1 million operations and are therefore recommended where high duty and long service life are required. They also have excellent reset properties.

Construction	
Conductor :	Fine stranded plain copper according to VDE 0295 Class 5
Insulation :	Neoprene 3G13 acc. To VDE 0207 part 20
Core colour :	Up to 5 cores coloured according to VDE 0293 -6 cores
	and above white with black numbers
Core Arrangement :	Cores twisted around in concentric layers
Outer sheath :	Polyurethane 11YM1 acc. To VDE 0250 part 818
Sheath colour :	Orange RAL 2003
Imprint :	H05BQ-F / H07BQ-F
Working Environment	
Maximum operating temp:	-25 deg C - + 80 deg C
Environment :	suitable for use in wet, dry & humid areas& outdoors
Electrical Properties	
Nominal voltage :	H05BQ-F - 300/500 V
	H07BQ-F - 450/750 V
Test Voltage :	H05BQ-F - 2000 V
	H07BQ-F - 2500 V
Additional Information	
Closed spiral length :	3000mm Maximum
Extended Spiral Length :	up to 5 x closed length
Straight ends (tails) :	Standard ends 200mm / 200mm - straight ends available up to 25m
Oil Resistance :	acc. To VDE 0472 part 803 test type B
Halogen Free :	Yes
Applied Standards	Harmonised acc. To HD22.10
Registration :	VDE Reg. No 9945 & 9946

We reserve the right to amend all technical details without prior notification



1. Copper conductor
2. Rubber Insulation
3. Polyurethane outer sheath

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Part No	Cross Section mm2	Current Rating @ 30 Deg	Inside diameter Mandrel (mm)	Cable Diameter (mm)	Outer diameter approx. (mm)
H05BQ-F (300/500 V)					
08076 0075 02	2 x 0.75	13A	8.0	5.7 – 7.4	21 –26
08076 0075 03	3 G 0.75	13A	8.0	6.2 – 8.1	22 – 27
08076 0075 04	4 G 0.75	13A	10.0	6.8 – 8.8	26 – 31
08076 0075 05	5 G 0.75	13A	10.0	7.6 – 9.9	27 – 32
08076 0100 02	2 x 1	16A	8.0	6.1 – 8.0	22 – 27
08076 0100 03	3 G 1	16A	8.0	6.5 – 8.5	23 – 28
08076 0100 04	4 G 1	16A	10.0	7.1 – 9.3	26 – 31
08076 0100 05	5 G 1	16A	12.0	8.0 – 10.3	30 – 35
H07BQ-F (450/750 V)					
08076 0150 02	2 x 1.5	20A	10.0	7.6 – 9.8	27 – 32
08076 0150 03	3 G 1.5	20A	10.0	8.0 – 10.4	27 – 32
08076 0150 04	4 G 1.5	20A	12.0	9.0 – 11.6	32 – 37
08076 0150 05	5 G 1.5	20A	14.0	9.8 – 12.7	36 – 41
08076 0150 07	7 G 1.5	20A	18.0	12.0 – 15.5	44 – 49
08076 0150 12	12 G 1.5	20A	28.0	15.0 – 18.5	62 – 67
08076 0250 03	3 G 2.5	30A	14.0	9.6 – 12.4	35 – 40
08076 0250 04	4 G 2.5	30A	16.0	10.7 – 13.8	40 – 45
08076 0250 05	5 G 2.5	30A	18.0	11.9 – 15.3	44 – 49
08076 0400 05	5 G 4	40A	28.0	14.1 – 17.9	59 – 64
08076 0600 05	5 G 6	50A	28.0	15.7 – 20.0	65 – 70

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