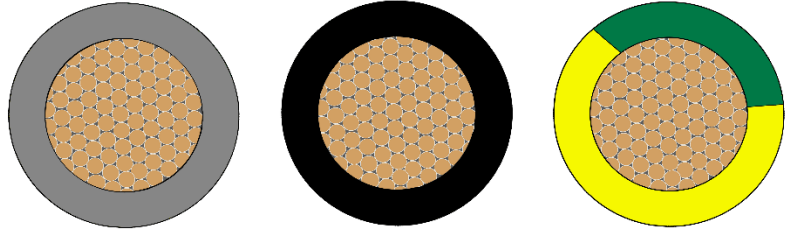


**MachFlex ONE 350 2X &  
MachFlex ONE 475 2X &  
MachFlex ONE 610 2X  
XLP Insulation**



**Applications**

Designed for applications which Laying in tubes, exposed or buried in plaster, and in closed installation ducts. Suitable for assembling cable harnesses and wiring during switch cabinet installation. These are highly durable & ruggedized cables meeting high flame retardant rating and low smoke and toxicity density.

**General Reference Standards**

- DIN VDE 0295, IEC 60228, BS 6360, UL 1581
- DIN EN 50290-2-26, DIN VDE 0207-363-3
- IEC 60227-3, EN 50525-2-31, HD 21.3, VDE 0281, UL 758
- RoHS & CE & REACH Directives
- DIN VDE 0482-332-1-2
- IEC 60332-1 & IEC 60332-3-22
- IEC 60754-1 & 2, IEC 61034, ASTM E-662

**Construction & Performance**

1.	<b>Conductor Material</b>	Stranded bare copper ( DIN VDE 0295 Class 5, UL 758 )	
2.	<b>Insulation Material</b>	E-Beam Crosslinked – Low Smoke Zero Halogen ( XLP )	
3.	<b>Voltage Rating</b>	IEC ( U <sub>0</sub> / U ) Up to 1.0 mm <sup>2</sup> : 300 / 500 V From 1.5 mm <sup>2</sup> : 450 / 750 V AS/NZS 5000.1 : 600 / 1000V	UL AWM STYLE 3286: 300V STYLE 10369: 600V
4.	<b>Oil Resistant</b>	DIN EN 50290-2-22 ( TM54 )	
5.	<b>Temperature Range</b>	Occasional movement -35°C TO +90°C ( IEC / EN ) -20°C TO +105°C ( UL )	Fixed installation -55°C TO +90°C ( IEC / EN ) -30°C TO +105°C ( UL )
6.	<b>Bending Radius</b>	8 x OD ( Occasional movement ) 4 x OD ( Fixed installation )	
7.	<b>Flame Retardancy</b>	IEC 60332-1 & IEC 60332-3-22 ( Category A )	
8.	<b>Smoke Density</b>	IEC 61034, ASTM E-662	
9.	<b>Halogen Content</b>	IEC 60754-1	
10.	<b>Acid Gas Emission</b>	IEC 60754-2	

**TABLE A**

Part Code	Cable Description	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)	Additional Features
<b>MachFlex ONE 350 2X</b>				
<b>300/500V • Stranded Class - 5 • BC Conductors • XLP Insulation</b>				
HKX30.5	0.5 mm <sup>2</sup> (20 AWG)	2.1	9	H05Z-K • UL AWM 3286
HKX30.75	0.75 mm <sup>2</sup> (19 AWG)	2.3	11	
HKX31.0	1.0 mm <sup>2</sup> (18 AWG)	2.5	14	
HKX31.5	1.5 mm <sup>2</sup> (16 AWG)	2.7	19	UL AWM 3286
HKX32.5	2.5 mm <sup>2</sup> (14 AWG)	3.2	29	
HKX34	4 mm <sup>2</sup> (12 AWG)	3.8	41	
HKX36	6 mm <sup>2</sup> (10 AWG)	4.9	72	
<b>MachFlex ONE 475 2X</b>				
<b>450/750V • Stranded Class - 5 • BC Conductors • XLP Insulation</b>				
HKX40.5	0.5 mm <sup>2</sup> (20 AWG)	2.6	12	H07Z-K • UL AWM 10369
HKX40.75	0.75 mm <sup>2</sup> (19 AWG)	2.8	15	
HKX41.0	1.0 mm <sup>2</sup> (18 AWG)	3.0	17	
HKX41.5	1.5 mm <sup>2</sup> (16 AWG)	3.2	23	
HKX42.5	2.5 mm <sup>2</sup> (14 AWG)	3.7	33	
HKX44	4 mm <sup>2</sup> (12 AWG)	4.3	46	
HKX46	6 mm <sup>2</sup> (10 AWG)	4.9	71	
HKX410	10 mm <sup>2</sup> (8 AWG)	6.2	114	H07Z-K
HKX416	16 mm <sup>2</sup> (6 AWG)	7.5	182	
HKX425	25 mm <sup>2</sup> (4 AWG)	9.1	270	
HKX435	35 mm <sup>2</sup> (2 AWG)	10.1	350	
HKX450	50 mm <sup>2</sup> (1 AWG)	12.3	501	
<b>MachFlex ONE 610 2X</b>				
<b>600/1000V • Stranded Class - 5 • BC Conductors • XLP Insulation</b>				
HKX60.5	0.5 mm <sup>2</sup> (20 AWG)	2.3	10	AS/NZS 5000.1
HKX60.75	0.75 mm <sup>2</sup> (19 AWG)	2.5	13	
HKX61.0	1.0 mm <sup>2</sup> (18 AWG)	2.7	15	
HKX61.5	1.5 mm <sup>2</sup> (16 AWG)	2.9	20	
HKX62.5	2.5 mm <sup>2</sup> (14 AWG)	3.4	30	
HKX64	4 mm <sup>2</sup> (12 AWG)	4.0	42	
HKX66	6 mm <sup>2</sup> (10 AWG)	4.6	68	
HKX610	10 mm <sup>2</sup> (8 AWG)	5.6	105	
HKX616	16 mm <sup>2</sup> (6 AWG)	6.9	171	
HKX625	25 mm <sup>2</sup> (4 AWG)	8.4	256	
HKX635	35 mm <sup>2</sup> (2 AWG)	9.4	334	
HKX650	50 mm <sup>2</sup> (1 AWG)	11.4	474	
HKX670	70 mm <sup>2</sup>	13.5	657	

<b>HKX695</b>	95 mm <sup>2</sup>	17.2	904
<b>HKX6120</b>	120 mm <sup>2</sup>	18.9	1444
<b>HKX6150</b>	150 mm <sup>2</sup>	21	1795
<b>HKX6185</b>	185 mm <sup>2</sup>	25.8	2020

\*For any other cross-section or number of cores, please check with Belden for more information.

### Sheath / Jacket Color

Color	Color Code
1) Grey ( RAL 7001 )	G8U
2) Black	010
3) Green/Yellow	189

\*For any other Colors, please check with Belden for more information.

### Packaging

Belden can offer these cables with various packing options like coiled, plastic or wooden reels. This will be decided at the discretion of Belden based on the cable design and structure.

### Put-up Length

Putup Length	Putup Length Code
1) 100 Meters	100M
2) 200 Meters*	200M
3) 300 Meters*	300M

\*Applicable only for certain part codes, please check with Belden for more information.

### Stock Code Selection Procedure

