BELDEN
SENDING ALL THE RIGHT SIGNALS

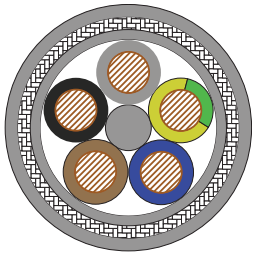
MachFlex 375 CY Cables

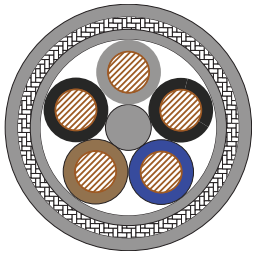
Shielded (CY) PVC Control Cables

Tinned Copper Braid Shield (TCB) - Excellent Noise Immunity

Applications

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.





General Reference Standards

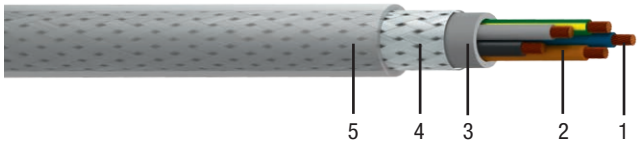
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- IEC 60227-5, VDE 0281
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

Construction and Performance

1.	**Conductor Material**	Stranded bare copper (DIN VDE 0295 Class 5)
2.	**Insulation Material & Color**	PVC (polyvinyl chloride). A) AA) Up to 5 cores: color-coded. From 6 cores: Belden MachFlex Color code. B) G = with GN-YE protective conductor; X = without protective conductor.
3.	**Braid Shield Material**	Tinned Copper Braid Shield
4.	**Jacket / Sheath Material**	PVC (polyvinyl chloride)
5.	**Flame Retardancy**	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	**Voltage Rating (Uo/U)**	Up to 1.5 mm^2: 300 / 500 V From 2.5 mm^2: 450 / 750 V
7.	**Oil Resistant**	DIN EN 50290-2-22 (TM54)
8.	**Temperature Range**	-5 °C TO +70 °C (Occasional movement) -40 °C TO +80 °C (Fixed installation)
9.	**Bending Radius**	20 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	**Other Properties**	Good UV resistance, chemical resistance & flexibility

MachFlex 375 CY Shielded (CY) PVC Control Cables

TINNED COPPER BRAID SHIELDED CABLE WITH (G) PROTECTIVE GROUND



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

Conductor 0.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	7.2	45.08	C3GACY	C3G0.5CY
4	7.7	53.90	C4GACY	C4G0.5CY
5	8.3	64.68	C5GACY	C5G0.5CY
7	8.9	78.40	C7GACY	C7G0.5CY
12	11.3	135.73	C12GACY	C12G0.5CY
20	13.9	226.25	C20GACY	C20G0.5CY

Conductor 0.75 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	7.7	55.86	C3GBCY	C3G0.75CY
4	8.3	62.72	C4GBCY	C4G0.75CY
5	9.0	75.46	C5GBCY	C5G0.75CY
7	9.7	99.96	C7GBCY	C7G0.75CY
12	12.4	173.46	C12GBCY	C12G0.75CY
20	15.2	289.10	C20GBCY	C20G0.75CY

Conductor 1.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	8.2	63.70	C3GCCY	C3G1.0CY
4	8.8	76.44	C4GCCY	C4G1.0CY
5	9.6	87.22	C5GCCY	C5G1.0CY
7	10.3	110.74	C7GCCY	C7G1.0CY
12	13.4	184.34	C12GCCY	C12G1.0CY
20	16.3	307.23	C20GCCY	C20G1.0CY

Conductor 1.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	8.8	77.42	C3GDCY	C3G1.5CY
4	9.5	95.06	C4GDCY	C4G1.5CY
5	10.3	113.68	C5GDCY	C5G1.5CY
7	11.1	146.02	C7GDCY	C7G1.5CY
12	14.5	274.40	C12GDCY	C12G1.5CY
20	17.7	457.33	C20GDCY	C20G1.5CY

Conductor 2.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	12.0	143.08	C3GECY	C3G2.5CY
4	13.3	163.66	C4GECY	C4G2.5CY
5	14.5	196.00	C5GECY	C5G2.5CY
7	15.8	282.24	C7GECY	C7G2.5CY
9	19.2	362.88	C9GECY	C9G2.5CY
12	20.8	467.75	C12GECY	C12G2.5CY

Conductor 4.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	13.7	174.20	C3GFCY	C3G4CY
4	15.1	232.26	C4GFCY	C4G4CY
5	16.5	274.40	C5GFCY	C5G4CY
7	18.0	384.16	C7GFCY	C7G4CY
9	22.0	493.92	C9GFCY	C9G4CY
12	24.0	658.56	C12GFCY	C12G4CY

Conductor 6.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	15.3	233.73	C3GGCY	C3G6CY
4	16.8	311.64	C4GGCY	C4G6CY
5	18.4	432.18	C5GGCY	C5G6CY
7	20.1	519.40	C7GGCY	C7G6CY
9	24.9	667.80	C9GGCY	C9G6CY

Conductor 10.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	17.9	355.15	C3GHCY	C3G10CY
4	19.8	507.64	C4GHCY	C4G10CY
5	21.7	583.10	C5GHCY	C5G10CY
7	24.0	780.08	C7GHCY	C7G10CY
9	29.6	1,004.24	C9GHCY	C9G10CY

Conductor 16.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	22.5	594.86	C3GICY	C3G16CY
4	24.9	787.92	C4GICY	C4G16CY
5	27.4	916.30	C5GICY	C5G16CY

Conductor 25.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	25.4	853.33	C3GJCY	C3G25CY
4	28.1	1,137.78	C4GJCY	C4G25CY
5	30.8	1,372.00	C5GJCY	C5G25CY

- Putup length & tolerance of the cables will vary depending on the construction of the cable
- MOQ will vary depending on the construction of the cable & provided at the time of quotation
- Cable requested outside the above design criteria can be reviewed and quoted

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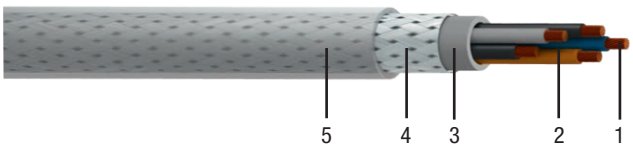

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No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	7.2	45.08	C3XACY	C3X0.5CY
4	7.7	53.90	C4XACY	C4X0.5CY
5	8.3	64.68	C5XACY	C5X0.5CY
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