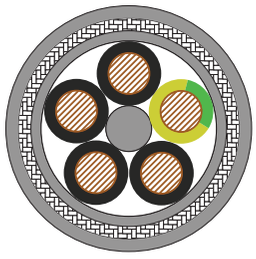
MachFlex 350 CY Cables

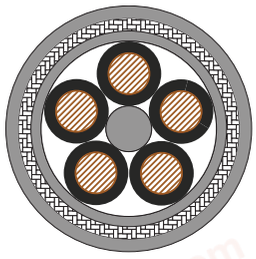
Tinned Copper Braid Shield (TCB) - Excellent Noise Immunity

Shielded (CY) PVC Control Cables

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
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH & CE Directives

Construction and Performance

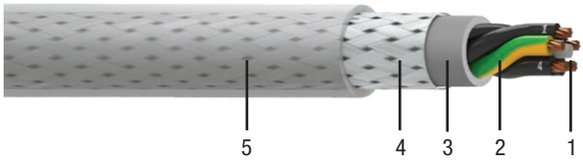
1.	**Conductor Material**	Stranded bare copper (DIN VDE 0295 Class 5)
2.	**Insulation Material & Color**	Insulation Material & Color PVC (polyvinyl chloride). A) All black color with number coding = without protective conductor. B) Black color with number coding plus 1 green & yellow = with protective 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)**	300 / 500 V
7.	**Oil Resistant**	DIN EN 50290-2-22 (TM54)
8.	**Temperature Range**	-30 °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

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BELDEN
SENDING ALL THE RIGHT SIGNALS

MachFlex 350 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	3GACY	3G0.5CY
4	7.7	53.90	4GACY	4G0.5CY
5	8.3	64.68	5GACY	5G0.5CY
7	9.1	78.40	7GACY	7G0.5CY
12	11.4	135.73	12GACY	12G0.5CY
20	13.7	226.25	20GACY	20G0.5CY

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	3GBCY	3G0.75CY
4	8.3	62.72	4GBCY	4G0.75CY
5	9.2	75.46	5GBCY	5G0.75CY
7	9.9	99.96	7GBCY	7G0.75CY
12	12.4	173.46	12GBCY	12G0.75CY
20	15.0	289.10	20GBCY	20G0.75CY

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	3GCCY	3G1.0CY
4	9.1	76.44	4GCCY	4G1.0CY
5	9.8	87.22	5GCCY	5G1.0CY
7	10.5	110.74	7GCCY	7G1.0CY
12	13.3	184.34	12GCCY	12G1.0CY
20	16.1	307.23	20GCCY	20G1.0CY

Conductor 1.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	9.0	77.42	3GDCY	3G1.5CY
4	9.7	95.06	4GDCY	4G1.5CY
5	10.5	113.68	5GDCY	5G1.5CY
7	11.3	146.02	7GDCY	7G1.5CY
12	14.4	274.40	12GDCY	12G1.5CY
20	17.5	457.33	20GDCY	20G1.5CY

Conductor 2.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	11.0	143.08	3GECY	3G2.5CY
4	11.9	163.66	4GECY	4G2.5CY
5	12.9	196.00	5GECY	5G2.5CY
7	14.0	282.24	7GECY	7G2.5CY
12	18.2	467.75	12GECY	12G2.5CY
20	22.7	779.58	20GECY	20G2.5CY

Conductor 4.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	12.6	174.20	3GFCY	3G4CY
4	13.7	232.26	4GFCY	4G4CY
5	14.9	274.40	5GFCY	5G4CY
7	16.2	384.16	7GFCY	7G4CY
9	20.0	493.92	9GFCY	9G4CY
12	21.5	658.56	12GFCY	12G4CY

Conductor 6.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	14.6	233.73	3GGCY	3G6CY
4	16.0	311.64	4GGCY	4G6CY
5	17.5	432.18	5GGCY	5G6CY
7	19.1	519.40	7GGCY	7G6CY
9	23.6	667.80	9GGCY	9G6CY

Conductor 10.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	17.8	355.15	3GHCY	3G10CY
4	19.8	507.64	4GHCY	4G10CY
5	21.7	583.10	5GHCY	5G10CY
7	23.8	780.08	7GHCY	7G10CY
9	29.2	1,004.24	9GHCY	9G10CY

Conductor 16.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	21.5	594.86	3GICY	3G16CY
4	23.6	787.92	4GICY	4G16CY
5	26.0	916.30	5GICY	5G16CY
7	28.5	1,282.82	7GICY	7G16CY

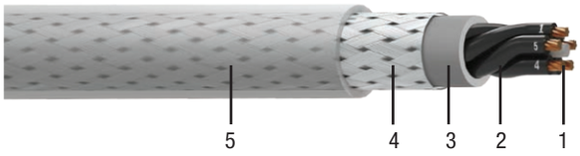
Conductor 25.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	25.9	853.33	3GJCY	3G25CY
4	28.6	1,137.78	4GJCY	4G25CY
5	31.5	1,372.00	5GJCY	5G25CY
7	34.2	1,920.80	7GJCY	7G25CY

- 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

MachFlex 350 CY Shielded (CY) PVC Control Cables

TINNED COPPER BRAID SHIELDED CABLE WITHOUT (G) PROTECTIVE GROUND



1 = Conductor
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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	3XACY	3X0.5CY
4	7.7	53.90	4XACY	4X0.5CY
5	8.3	64.68	5XACY	5X0.5CY
7	9.1	78.40	7XACY	7X0.5CY
12	11.4	135.73	12XACY	12X0.5CY
20	13.7	226.25	20XACY	20X0.5CY

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	3XBCY	3X0.75CY
4	8.3	62.72	4XBCY	4X0.75CY
5	9.2	75.46	5XBCY	5X0.75CY
7	9.9	99.96	7XBCY	7X0.75CY
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Conductor 2.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	11.0	143.08	3XECY	3X2.5CY
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Conductor 4.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
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4	13.7	232.26	4XFCY	4X4CY
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