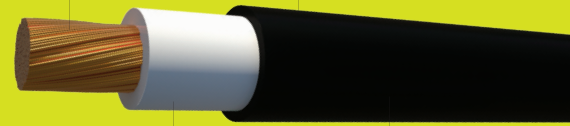


ENVIROLEX®

Envirolex® is an extensive range of environmentally friendly cables developed for both domestic and commercial applications. Made with low fire hazard smoke zero halogen (LSZH) materials, they are PVC free and engineered to reduce environmental impact under fire conditions. By reducing emissions of harmful gases that may hinder an evacuation process during fire, these cables have been designed with safety in mind. Envirolex® have Red List Free Declare status by the International Living Future Institute, making them a healthy product choice for Sustainable building projects.

Flexible Copper Conductor for ease of handling and installation

Reduced acid, gas and smoke generation
Halogen free (i.e. no chlorine, bromine etc)



Conductor range up to 630mm for Single Core cables

Manufactured in accordance with AS/NZS 5000.1

Single Core - Black

Nominal conductor area	Min.bending radius during installation	Nominal overall diameter	Approx.mass	Product code
mm ²	mm	mm	kg/100m	
10	34	8.5	14	BZHX01AA001CXNA
16	40	9.8	23	BZHX02AA001CXNA
25	46	11.3	31	BZHX03AA001CXNA
35	51	12.6	40	BZHX04AA001CXNA
50	57	14.2	56	BZHX05AA001CXNA
70	65	16.2	75	BZHX06AA001CXNA
95	74	18.3	98	BZHX07AA001CXNA
120	83	20.7	113	BZHE87AA001CXNA
150	90	22.5	151	BZHE88AA001CXNA
185	100	24.8	179	BZHE89AA001CXNA
240	111	27.7	240	BZHE90AA001CXNA
300	124	31	290	BZHE91AA001CXNA
400	141	35.4	389	BZHE92AA001CXNA
500	160	40.0	498	BZHE93AA001CXNA
630	176	44	629	BZHE94AA001CXNA

Multicore - Black

Nominal conductor area	Nominal Insulation Thickness	Min.bending radius during installation	Nominal Sheath Thickness	Nominal Overall Diameter	Approx.mass	Product code
mm ²	mm	mm	mm	mm	kg/100m	
2C+E						
1.5	0.7	64	1.8	10.7	15	PTHR04AA002CXHF
2.5	0.7	70	1.8	11.6	19.2	PTHR05AA002CXHF
4.0	0.7	77	1.8	12.9	24.1	PTHR06AA002CXHF
6.0	0.7	82	1.8	13.6	30.4	PTHR07AA002CXHF
3C+E						
1.5	0.7	69	1.8	11.5	17.8	PTHR04AA003CXRJ
2.5	0.7	73	1.8	12.2	23.8	PTHR05AA003CXRJ
4.0	0.7	78	1.8	13.0	29.0	PTHR06AA003CXRJ
6.0	0.7	89	1.8	14.9	35.3	PTHR07AA003CXRJ
10.0	0.7	106	1.8	17.7	51.9	PTHX01AA003CXRJ
4C+E						
1.5	0.7	75	1.8	12.5	21.0	PTHR04AA003CXEM
2.5	0.7	82	1.8	13.6	27.5	PTHR05AA003CXEM
4.0	0.7	90	1.8	15.0	33.5	PTHR06AA003CXEM
6.0	0.7	97	1.8	16.2	42.3	PTHR07AA003CXEM
10.0	0.7	117	1.8	19.5	64.4	PTHX01AA003CXEM
16.0	0.8	137	1.8	22.8	89.4	PTHX02AA003CXEM
25.0	0.9	240	1.8	26.5	130.3	PTHX03AA003CXEM
35.0	0.9	270	1.8	29.8	176.6	PTHX04AA003CXEM

Single Core - Green/Yellow (Single Insulated)

Nominal conductor area	Min.bending radius during installation	Nominal overall diameter	Approx.mass	Product code
mm ²	mm	mm	kg/100m	
16	42	7.0	23	BAAX02JA001AAHT
25	55	9.1	31	BAAX03JA001AAHT
35	62	10.3	40	BAAX04JA001AAHT
50	74	12.3	56	BAAX05JA001AAHT
70	83	13.8	75	BAAX06JA001AAHT
95	96	16.0	98	BAAX07JA001AAHT
120	108	18.0	113	BAAE08JA001AAHT



Halogen free



Low smoke



Operating temp 110°C



Flexible for fixed application



Flame retardant

Maximum Operating Temp

Single Core **110 °C**

Multi Core **110 °C**

Voltage Rating **0.6/1 kv**

Current Ratings

Refer to AS/NZS 3008

Single core table 6, 9, & 15

Multi Core table 5, 8, 11 & 14

Construction

Single and Multicore flexible copper conductor (Class 5)

Single core X-HF-110 insulated

Multi Core X-HF-110 insulated

Single Core HFS-110-TP sheathed

Multi Core HFS-110-TP sheathed

(Low Smoke Zero Halogen)

Standards

AS/NZS 5000.1

AS/NZS 4507 RHE-2 for multicore

AS/NZS 4507 RHE-3 for single core

Applications

A comprehensive range of cables that are typically used for mains/sub-mains, final circuits connecting to electrical devices, lights, lifts etc for hospitals, office buildings, tunnels, public high traffic areas and emergency exits.

Being PVC free, Envirolex® cables are also suitable for lower temperatures (-25°) and non-migratory applications.

Nexans Envirolex® cables have Red List Free Declare status by the International Living Future Institute, making them an environmentally friendly and healthy product choice for Sustainable building projects.