

Product Type Approval Certificate

Full


This certificate is issued to:

Supplier name and address:	Amplex 10 O'Neil St Unanderra NSW 2526
-----------------------------------	---

In respect of:

Manufacturer:	Withheld upon request
Place of manufacture:	Withheld upon request
Product description:	See Attached Schedule of approved items
Use approved for:	Vital Signalling cables
Conditions of approval:	Nil
Limitations:	Nil

Evaluating rail transport operator

Name:	Peter McGregor
Position:	Director Signals & Control Systems Engineering , Asset Management Branch, Transport for NSW
Signature:	
Date:	15th July 2021

Notes on approval

Usage is in accordance with TfNSW standards and RIM's operational standards

Conclusions about the suitability for use under any other circumstances are not made.

Reliance on this approval by any other organisation is done so entirely that organisation's own risk.

The supplier or manufacturer must advise Sydney Trains and Asset Management Branch of any changes made to the product or system which may alter its identification, performance characteristics, form, fit, function or processes required for correct usage so that this approval can be revised or reviewed.

Product approval pack reference number: fA142777

Annexure 1 Schedule of Approved Items

Spec 1010 id#	Cable description	Amplex Product Code	Approval Status
1	Cable, 7/0.4 plain Copper / Wht PVC / Blk Nyl	RC7040-NY-TF	Subject to first Article Inspection
2	Cable, 6x(7/0.5 Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl	RC67050-DCT-NY-TF	Subject to first Article Inspection
3	Cable, 15x(7/0.5 Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl	RC157050-DCT-NY-TF	Subject to first Article Inspection
4	Cable, 25x(7/0.5 Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl	RC257050-DCT-NY-TF	Subject to first Article Inspection
5	Cable, 50x(7/0.5 Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl	RC507050-DCT-NY-TF	Subject to first Article Inspection
6	Cable, 2x(7/0.5 Wht, Blk PVC) / (Al Shield +Drain wire) / Blk PVC / Nyl	RC1P7050-AL-NY-TF	Subject to first Article Inspection
7	Cable, 7/0.5 Red, PVC / Blk PVC / Nyl	RC7050R-NY-TF	Subject to first Article Inspection
8	Cable, 2x(7/0.5 Red, Blk PVC / Blk PVC) (Twin Twist-2 individual cables twisted)	RC27050-TF	Subject to first Article Inspection
9	Cable, 7/0.85 Red PVC / Blk PVC / Nyl	RC7085-R-NY-TF	Subject to first Article Inspection
10	Cable, 7/0.85 Blk PVC / Blk PVC / Nyl	RC7085-B-NY-TF	Subject to first Article Inspection
11	Cable, 2x(7/0.85 Red, Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl (Core colours Red & Blk)	RC27085DCT-NY-TF	Subject to first Article Inspection
13	Cable, 1/1.70 Red PVC / Blk PVC / Nyl	RC1170-R-TF	Subject to first Article Inspection
14	Cable, 1/1.70 Blk PVC / Blk PVC	RC1170-B-TF	Subject to first Article Inspection
15	Cable, 7/1.70 Red PVC / Blk PVC / Nyl	RC7170-R-NY-TF	Subject to first Article Inspection
16	Cable, 7/1.70 Blk PVC / Blk PVC / Nyl	RC7170-B-NY-TF	Subject to first Article Inspection
17	Cable, 2x(7/1.70 Red, Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl	RC27170-DCT-NY-TF	Subject to first Article Inspection

18	Cable, 19/1.78 Red PVC / Blk PVC / Nyl	RC19178-R-NY-TF	Subject to first Article Inspection
19	Cable, 19/1.78 Blk PVC / Blk PVC / Nyl	RC19178-B-NY-TF	Subject to first Article Inspection
20	Cable, 2x(19/1.78 Red, Blk PVC) / Blk PVC / DCT / Blk PVC / Nyl	RC219178-DCT-NY-TF	Subject to first Article Inspection
21	Cable, 37/1.78 Red PVC / Blk PVC / Nyl	RC37178-B-NY-TF	Subject to first Article Inspection
22	Cable, 37/1.78 Blk PVC / Blk PVC / Nyl	RC37178-R-NY-TF	Subject to first Article Inspection
23	Cable, 37/1.78 Red PVC / Orange PVC	RC37178-R-OR-TF	Subject to first Article Inspection
24	Cable, 37/2.03 Red PVC / Orange PVC	RC37203-R-OR-TF	Subject to first Article Inspection
25	Cable, 37/2.03 Red PVC / Blk PVC / Nyl	RC37203-R-NY-TF	Subject to first Article Inspection
26	Cable, 37/2.03 Blk PVC / Blk PVC / Nyl	RC37203-B-NY-TF	Subject to first Article Inspection
40	Cable, fire safe 2x(7/0.5 X-HF-90) / (Al scrn+Drain wire) / Red HFS-90-TP (Core colours Blk & Wht)	RC1P7050-AL-FS-TF	Subject to first Article Inspection
41	Cable, fire safe 6x(7/0.5 X-HF-90) / Red HFS-90-TP / DCT / Red HFS-90-TP	RC67050-DCT-TF	Subject to first Article Inspection
42	Cable, fire safe 15x(7/0.5 X-HF-90) / Red HFS-90-TP / DCT / Red HFS-90-TP	RC157050-DCT-TF	Subject to first Article Inspection
43	Cable, fire safe 25x(7/0.5 X-HF-90) / Red HFS-90-TP / DCT / Red HFS-90-TP	RC257050-DCT-TF	Subject to first Article Inspection
44	Cable, fire safe 50x(7/0.5 X-HF-90) / Red HFS-90-TP / DCT / Red HFS-90-TP	RC507050-DCT-TF	Subject to first Article Inspection
45	Cable, fire safe 7/0.85 X-HF-90/ Red HFS-90-TP	RC7085-W-FS-TF	Subject to first Article Inspection
46	Cable, fire safe 2x(7/0.85 Red & Blk. X-HF-90) / Red X-HF-90 / DCT / Red HFS-90-TP	RC27085-DCT-FS-TF	Subject to first Article Inspection
47	Cable, fire safe 7/1.7 Blk. X-HF-90 / Red HFS-90-TP	RC7170-B-FS-TF	Subject to first Article Inspection

48	Cable, fire safe 2x(7/1.7 Red & Blk. X-HF-90) / Red X-HF-90 / DCT/Red HFS-90-TP	RC27170-DCT-FS-TF	Subject to first Article Inspection
49	Cable, fire safe 19/1.78 Blk. X-HF-90 / Red HFS-90-TP	RC19178-B-FS-TF	Subject to first Article Inspection
50	Cable, fire safe 37/1.78 Blk. X-HF-90 / Red HFS-90-TP	RC37178-B-FS-TF	Subject to first Article Inspection
51	Cable, fire rated 2x(7/0.85 Red & Blk. + mineral flame barrier, X-HF-90) / HFS-90-TP / DCT / Red HFS-90-TP	RC27085-DCT-FR-TF	Subject to first Article Inspection
52	Cable, fire rated 2x(7/1.70 Red & Blk. + mineral flame barrier, X-HF-90) / HFS-90-TP / DCT / Red HFS-90-TP	RC27170-DCT-FR-TF	Subject to first Article Inspection
Other cables not specified in the 1010 series standard (see EN50288.7)			
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 4 Pair 1.5MM2	RC4P7050-AL-NY-TF	Subject to first Article Inspection
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 8 Pair 1.5MM2	RC8P7050-AL-NY-TF	Subject to first Article Inspection
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 12 Pair 1.5MM2	RC12P7050-AL-NY-TF	Subject to first Article Inspection
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 16 Pair 1.5MM2	RC16P7050-AL-NY-TF	Subject to first Article Inspection
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 24Pair 1.5MM2	RC24P7050-AL-NY-TF	Subject to first Article Inspection
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 1P 4MM2	RC1P7085-AL-NY-TF	Subject to first Article Inspection
N/A	TFNSW Instrumentation Cable Cu/V-90/OS/5V-90/NY/5V-90 300V 8P 4MM2	RC8P7085-AL-NY-TF	Subject to first Article Inspection