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संख्या: STT/RE/CJ/368

दिनांक: 24/06/2014

मुख्य सिगनल एवं दूरसंचार अभियन्ता एवं महाप्रबन्धक सि.एवं दूरसंचार (कोन) ,	1	Chief Signal & Telecom Engineer & GM / S&T(Con),
मध्य रेलवे, मुम्बई सी.एस.टी.।	i	Central Rly, Mumbai CST-400 001
पश्चिम रेलवे, चर्च गेट, मुम्बई।	ii	Western Rly, Churchgate, Mumbai-400020
पूर्व रेलवे, फेयरली प्लेस, कोलकाता।	iii	Eastern Rly, Fairlie Place, Kolkata - 700 001
दक्षिण पूर्व रेलवे, गार्डन रीच, कोलकाता	iv	South Eastern Rly., Garden Reach, Kolkata - 700 043
उत्तर रेलवे, बडौदा हाउस, नई दिल्ली	v	Northern Rly., Baroda House, New Delhi-110 001
पूर्वोत्तर रेलवे, गोरखपुर।	vi	Northeastern Rly., Gorakhpur -273 012
पूर्वोत्तर सीमान्त रेलवे, मालीगांव, गुवाहाटी	vii	North Frontier Rly., Maligaon, Guwahati- 781 011
दक्षिण रेलवे, पार्क टाउन, चेन्नई।	viii	Southern Rly., Park Town, Chennai -600 003
दक्षिण मध्य रेलवे, सिकन्द्राबाद।	ix	South Central Rly, Rail Nilayam, Secunderabad-500 371
पूर्व मध्य रेलवे, हाजीपुर।	x	East Central Railway, Hazipur--844101
उत्तर पश्चिम रेलवे, जयपुर।	xi	North Western Railway, Jaipur-300206
पूर्व तटीय रेलवे, रेल विहार बी.डी.ए. रेन्टल कालोनी, चन्द्रशेखरपुर, भुवनेश्वर।	xii	East Coast Railway, Rail Vihar, BDA, Rental Colony, Chandrashekherpur, Bhubneshwar -751023
उत्तर मध्य रेलवे, हेरिंग रोड, इलाहाबाद।	xiii	North Central Railway, HQ's office (S&T Branch), Ganga Parisar, Subedarganj, Allahabad-211033.
दक्षिण पश्चिम रेलवे, मुख्य कार्यालय, हुबली	xiv	South Western Railway, Headquarter Office, Hubli.
पश्चिम मध्य रेलवे, ओएसडी कार्यालय, जबलपुर	xv	West Central Railway, OSD Office, Jabalpur.-482004
दक्षिण पूर्वोत्तर रेलवे, आरईओ ऑफिस कांप्लेक्स, बिलासपुर।	xvi	South East Central Railway, R.E. Office Complex, Bilaspur-495004
महाप्रबंधक/ संकेत एवं दूरसंचार, कोर, नवाब युसुफ रोड सिविल लाइन्स इलाहाबाद।	2	The General Manager (S&T), CORE, Nawab Yusuf Road, Civil Lines, Allahabad- 211001
महाप्रबंधक/ संकेत एवं दूरसंचार, मेट्रो रेलवे, 33/1, चौरंगी रोड, कोलकाता।	3	The General Manager (S&T), Metro Railway, 33/1, Chowringhee Road, Kolkata.
मुख्य प्रशासनिक अधिकारी, आईआरपीएमयू, शिवाजी ब्रिज, शंकर मार्केट के पीछे, नई दिल्ली।	4	The CAO, IRPMU, Shivaji Bridge, Behind Shanker Market, New Delhi -110 001.
निदेशक /इरीसेट, सिकन्द्राबाद।	5	Director/IRISET/Lalaguda/Secunderabad
महाप्रबंधक (प्राजेक्ट), रेलटेल, बैंक आफ बडौदा बिल्डिंग, नई दिल्ली।	6	General Manager(Projects)/ RAILTEL/Bank of Baroda, Building, Parliament Street/ New Delhi.

विषय: Amendment 2 to the specification No. IRS:TC-77/2012, Rev. 3 for Thermo Shrink Jointing Kit for Jointing Under Ground Quad Cable.
संदर्भ: This Office letter of even no. , dated 08.11.2013 & 07.05.2014

Amendment 2 to the specification No. IRS:TC-77/2012, Rev. 3 for Thermo Shrink Jointing Kit for Jointing U/G Quad Cable has been finalized and being issued.

The copy of the amendment available at RDSO website <http://10.100.2.19>. With the issue of this amendment the revision of Specification no. IRS:TC-77/2012, Rev. 3 is being implemented from 01.07.2014.

In this revision, following two changes are made :-

1. 0.9mm dia copper conductor for armor continuity has been replaced with multi strand tinned copper cable.
2. Jelly filled IDC connectors are added as optional item.

The following standard description may be followed while indenting the jointing kit for 0.9mm quad cable.

- a. If jelly filled IDC connectors are not required -

“Thermo shrink jointing kits for jointing underground 0.9mm dia conductor 4/6 quad cable as per specification IRS:TC-77/2012, Rev. 3 or latest.”

- b. If jelly filled IDC connector are required :-

“ Thermo Shrink Jointing Kit for Jointing Under Ground 0.9mm dia conductor 4/6 quad cable as per specification IRS:TC-77/2012, Rev. 3 or latest with IDC type Jelly filled discreet wire connectors.”

The inspection against P.O.s with old specification number will continue to be inspected as per old specification.

संलग्न : कुछ नहीं ।

24.06.2014
24.06.2014
(यशपाल सिंह तोमर)
कृते महानिदेशक/ दूरसंचार

Copy to :-

1. ED/QA/S&T, RDSO, 2nd Floor , Annex-I Building, Manak Nagar, Lucknow-226011.
2. Director/QA/S&T/RDSO, 1st floor, New Annexee Building, Western Railway, Churchgate, Mumbai- 400020

संलग्न : कुछ नहीं ।

24.06.2014
24.06.2014
(यशपाल सिंह तोमर)
निदेशक/ दूरसंचार निदेशालय-III

Amendment 2 to IRS-TC 77/2012 Rev 3

The amended clauses to IRS TC 77/2012 Rev. 3 , amend. 1 shall be as given below:

Clause 3.1

S.No.	Description of Materials	For 0.9 mm dia. 4/6 quad cable		For 1.4mm dia. 4/6 quad cable	
		Size	Quantity	Size	Quantity
4	Adhesive PVC tape	Width (25 mm min.) x Length (Min. 5 meter/ roll) x Thickness (0.1 to 0.13 mm)	Total Length of tape shall be minimum 20 meters.	Width (25 mm min.) x Length (Min. 5 meter/ roll) x Thickness (0.1 to 0.13 mm)	Total Length of tape shall be minimum 30 meters.
5	Adhesive Aluminium foil	Length (400 mm min.) x Width (100 mm min.) x Thickness (0.06 mm±0.01 mm)	1	Length (400 mm min.) x Width (100 mm min.) x Thickness (0.06 mm ±0.01 mm)	2
7	Emery strip	Length (600 mm min.) x Width (25 mm min.) x 60 (mesh)	2	Length (600 mm min.) x Width (25 mm min.) x 60 (mesh)	2
9	Sealant tape	Length (400 mm min.) x Width (35 mm min.) x Thickness 3 mm±0.5mm	2	Length (400 mm min.) x Width (35 mm min.) x Thickness 3 mm±0.5mm	3
15	Multi-strand tinned copper conductors insulated cable (single core)	Length 2000 mm+50 mm, Nominal cross section area 4 sq. mm, for armour	1	Length 2000 mm+50 mm, Nominal cross section area 4 sq. mm, for armour	1

S.No.	Description of Materials	For 0.9 mm dia. 4/6 quad cable		For 1.4mm dia. 4/6 quad cable	
		Size	Quantity	Size	Quantity
		continuity.		continuity.	
26	IDC type Jelly filled discreet wire connectors	IDC type jelly filled connector modules made of polypropylene for 2 wires for Tap type joint (0.4mm to 0.9 mm dia. conductors)	Nil (item deleted)	Not applicable	-
27	Parallel jaw plier	Parallel jaw plier for crimping the discrete wire connectors. The dimension of the plier shall be compatible with the crimping tool and shall be supplied by the manufacturer of the discrete wire connectors.	One plier for every 16 jointing kits for 0.9 mm quad cable or part thereof. Minimum quantity 1 No.	Not applicable	-

4.4.2 The size of the tape shall be “Width (25 mm min.) x Length (Min. 5 meter/ roll) x Thickness (0.1 to 0.13 mm)”

4.5.3 Dimension of Aluminium foil shall be “Length (400 mm min.) x Width (100 mm min.) x Thickness (0.06 mm ±0.01 mm)”

4.7.4 The emery cloth shall be supplied in the form of strip size “Length (600 mm min.) x Width (25 mm min.) x 60 (mesh).”

4.15.2 It’s length shall be 2000 mm +50 mm and Nominal Cross sectional area shall be 4 sq. mm.

4.20.2 Deleted

Clause 6.2.2 Sampling plan for acceptance tests for Quad cable:

SN	Tests	Sample size
38	Parallel Jaw plier marking and manufacturing identity, model number etc. (To be supplied one for every 16 jointing kits or part thereof)	One sample from offered lot

Adhesive PVC tape (Page 52 of Specification)

2.0 REQUIREMENT

Sr. No.	Property	Requirement	Test Method
2.1	Length / Roll	5 meter/ roll minimum.	Measurement
2.2	Width	25 mm minimum	Measurement

Sealant Tape (Page 53 of Specification)

2.0 REQUIREMENT

Sr. No.	Property	Requirement	Test Method
2.13	Dimensions	Length : 400 minimum Width : 35 minimum Thickness : 3 ± 0.5 mm	Measurement

Emery Strip for cable joints (Page 55 of the specification)

9.0 REQUIREMENT

Sr. No.	Property	Requirement	Test Method
9.6	Dimension	Length (600mm min) x Width (25mm min) x 60 mesh.	Measurement

Adhesive Aluminium foil (Page 58 of the specification)

9.0 REQUIREMENT

Sr. No.	Property	Requirement	Test Method
2.1	Dimension	(400mm min) x (100mm min) x (0.06mm ± 0.01mm)	Measurement

Discrete wire connectors (Page 60 of the specification)

2.0 REQUIREMENT

2.1.2 Deleted

*****End*****