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Digitally signed by MAHENDRA KUMAR KANOJIA
Date: 2024.09.13 11:34:12 IST
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DRG. NO. 9094883

TOLERANCES ON ALL DIMENSIONS NOT SPECIFIED ON THE DRG. TO BE IN ACCORDANCE WITH A. I. 2400.

ALT.	DATE	ALTERATION	VERIFIED BY SSE/EL	APPROVED BY DY.CME/EM
Lb	18.05.13	1. VENDOR NAME & VENDOR PART NO. DELETED. 2. DRG. REDRAWN IN DLW FORMAT & PART NO. ADDED	<i>[Signature]</i>	<i>[Signature]</i>

EMD PART/ DLW DRG NO.	REV	PART NO.	DRAWING BM DESIGNATION	WIRING DIAGRAM SYMBOL	'R' CODE	STRANDING	AWG SIZE	CONDUCTOR AREA CIR. MILS	CONDUCTOR AREA SQ. MM	BARE COND. O.D. (INCHES)	STANDARD INSULATION COLOR	NOMINAL INSULATION THICKNESS (INCHES)	NOMINAL INSULATED DIAMETER (INCHES)	NOMINAL INSULATED DIAMETER (MM)	RESISTANCE AT 20° C Ω/1000FT.	APPROX. WEIGHT LB/1000 FT.	N.E.C. 30C SINGLE COND. FREE AIR AMPACITY	MAXIMUM APPLICATION AMPACITY	A.C. VOLTAGE RATING	D.C. VOLTAGE RATING	NOTES & REMARKS	MAXIMUM INSULATED DIA.(INCHES)
8466845	D	18330010	#18E	18E	464317	19/.0092	18	1,608	0.815	0.047	YELLOW	0.030	0.107	2.72	6.22	9.4	17	10	600	1200	-	0.111
9321021	D		#18EG	18EG	464346	19/.0092	18	1,608	0.815	0.047	GREEN	0.030	0.107	2.72	6.22	9.4	17	10	600	1200	NOTE-1	0.111
8466844	D	18330034	#16E	16E	464316	19/29	16	2,426	1.23	0.058	RED	0.030	0.118	3.0	4.5	13.8	25	15	600	1200	-	0.122
9322292	C		#16EG	16EG	464350	19/29	16	2,426	1.23	0.058	GREEN	0.030	0.118	3.0	4.5	13.8	25	15	600	1200	NOTE-1	0.122
9086254	C		#16HE	16HE	464327	19/29	16	2,426	1.23	0.058	ORANGE	0.045	0.147	3.73	4.5	13.8	25	15	1000	2000	-	0.152
8470754	D	18330060	#14E	14E	464318	37/30	14	4,330	2.19	0.075	CHARCOAL	0.030	0.135	3.43	3.05	20.9	40	20	600	1200	-	0.139
8460546	E	18330071	#14	XE	464312	37/30	14	4,330	2.19	0.075	GRAY	0.045	0.165	4.19	3.05	24.7	40	20	1000	2000	-	0.169
40019384	-	18330083	#12	12E	-	37/.0133	12	6,088	3.08	0.095	LT BLUE	0.030	0.155	3.94	1.92	31.03	50	30	600	1200	-	0.159
8460547	E	18330198	#12	IE	464313	37/.0133	12	6,088	3.08	0.095	BLUE	0.045	0.185	4.7	1.92	34	50	30	2000	2000	-	0.189
9094884	D	18330204	37/24	III	464332	37/24	8	14,950	7.58	0.140	GRAY	0.055	0.250	6.35	0.785	68	90	-	2000	2000	-	0.281
9094885	D	18330095	91/24	III	464333	91/24	5	36,760	18.63	0.234	GRAY	0.055	0.344	8.74	0.324	153	155	-	2000	2000	-	0.359
9094886	D	18330216	125/24	IVE	464334	125/24	3	50,500	25.59	0.285	GRAY	0.055	0.395	10.0	0.236	207	190	-	2000	2000	-	0.407
9094887	D	18330228	225/24	XXII	464335	225/24	1	90,900	46.06	0.390	GRAY	0.065	0.520	13.2	0.132	360	280	-	2000	2000	-	0.530
9094888	D		325/24	IXE	464336	325/24	00	131,900	66.84	0.470	GRAY	0.065	0.600	15.2	0.092	499	355	-	2000	2000	-	0.620
9094889	E	18330113	550/24	XIII	464337	550/24	0000	222,200	112.6	0.605	GRAY	0.105	0.815	20.7	0.0543	768	490	-	2100	3200	-	0.847
9094890	E	18330125	775/24	XIV	464338	775/24	-	313,100	158.7	0.720	GRAY	0.105	0.930	23.6	0.0385	1,185	610	-	2100	3200	-	0.963
9086205	E		1100/24	XI	464330	1100/24	-	444,400	225.2	0.850	GRAY	0.105	1.060	26.9	0.0289	1,632	760	-	2100	3200	-	1.100
9087013	B		1325/24	XXE	464314	1325/24	-	535,300	271.2	0.965	GRAY	0.125	1.215	30.9	0.0223	1,950	850	-	2000	2000	-	1.245
8462288	E		1325/24	XXE	464314	1325/24	-	535,300	271.2	0.965	DK GRAY	0.125	1.215	30.9	0.0223	1,950	850	-	2100	3200	-	1.245
9085669	E		1480/24	XXI	464326	1480/24	-	597,920	300.0	1.000	GRAY	0.125	1.250	31.8	0.0200	2,150	900	-	2100	3200	-	1.300
9530744	A		27/24	10HE	464362	27/24	10	10,910	5.53	0.125	BLACK	0.045	0.213	5.41	1.10	50.2	70	-	1000	2000	-	0.218
8408649	E	18330174	#20E	20E	464280	7/28	20	1,197	0.60	0.038	BROWN	0.015	0.088	1.73	9.72	5.39	-	5	600	1200	NOTE 5	0.071
40028092	B	18330186	#20ET	20ET	-	7/28	20	1,197	0.60	0.038	TAN	0.029	0.096	2.44	9.72	8.2	-	5	600	1200	-	0.100
40085782	-	18320510	325/24(0.105)	1XEE	-	325/24	00	131,900	66.84	0.470	GRAY	0.105	0.680	17.3	0.092	549	355	-	2000	2000	-	0.690
10661360	-	18330800	225/24(0.105)	XXIIE	-	225/24	1	90,900	46.06	0.390	DK GRAY	0.105	0.600	15.2	0.132	397	280	-	2000	3200	-	0.620

CONDUCTOR:

ALL CONDUCTORS ARE ELECTRO-TIN PLATED COPPER PER ASTM B33 AND STANDARD IN ACCORDANCE WITH ASTM B286 (EXCEPT 37 STRANDS FOR AWG NO.14 & NO.12)

INSULATION:

INSULATION IS THERMOSETTING CROSSLINKED POLYOLEFIN COMPOUND CONFORMING TO PERFORMANCE REQUIREMENTS PER EDPS 179.

THERMAL CHARACTERISTICS:

TEMPERATURE RANGE: -65° C TO 125° C
THERMAL LIFE RATING: 10,000 HOURS AT +125° C

STANDARD MARKING- AWG NO. 20 THROUGH NO.12:

AWG SIZE AND EMD PART NUMBER ARE TO BE PRINTED IN A CONTRASTING COLOR TO THE BARE INSULATION COLOR AT ONE INTERVAL OF AN MARK PER FOOT.
EXAMPLE: *AWG 18-EMD 9321021*

STANDARD MARKING- 37/24 THROUGH 1480/24:

STRANDING EMD PART NUMBER AND LETTER "D" ARE TO BE PRINTED IN YELLOW INK AT AN INTERVAL OF ONE MARK PER FOOT.
EXAMPLE: *1480/24-EMD 9085669 D*

IDENTIFICATION ON SPOOLS AND REELS:

NAME OF SUPPLIER
EMD PART NUMBER
LENGTH IN FEET

NOTE 1:

APPLICATION OF THIS WIRE AND ITS GREEN COLOR CODE IS RESTRICTED FOR USAGE IN THE ±15 VOLT ELECTRONIC CONTROL CIRCUITS.

NOTE 2:

THE PRIMARY INSULATION ON CABLE 8462288 HAS A HIGHER TEMPERATURE RATING (135° C)

NOTE 3:

NO SEPERATOR SHALL BE ALLOWED BETWEEN THE INSULATOR AND THE CONDUCTOR.

NOTE 4:

ALL PARTS MUST CONFORM TO EDPS 179.

NOTE 5:

APPLICATION OF THIS WIRE IS RESTRICTED FOR USAGE ON CIRCUIT MODULES ONLY.

NOTE 6:

1.-EDPS-179 IS APPLICABLE FOR SIZES AWG#3 & SMALLER.
2.-EDPS-304 IS APPLICABLE FOR LOCOMOTIVE POWER CABLE SIZES AWG#1 & LARGER.

ISSUING AUTHORITY : SSE/RECORDS
ALL DIMS. ARE IN INCHES

THIS DRAWING IS A PROPERTY OF DLW/INDIAN RAILWAYS AND ANY UNAUTHORISED USE OF THE DRAWING WILL BE CONSIDERED ILLEGAL AND DLW/INDIAN RAILWAYS WILL HAVE RIGHT TO INITIATE LEGAL PROCEEDINGS AGAINST THE DEFAULTERS.

[Signature]
DATE: 18.05.13

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DIESEL LOCOMOTIVE WORKS
VARANASI

QTY.	DESCRIPTION	ITEM NO.	DRG. NO.	PART NO.	MATL. & SPCN.
GROUP 1					
SUPERSEDED BY			SUPERSEDES		
SCALE-N. T. S.		VERIFIED BY SSE		<i>[Signature]</i>	
PROJECTION		CHD.		<i>[Signature]</i>	
AL.T.		Lb			
PART NO. 18331130					
DRG. NO. 9094883					