

OPTIONAL DRAIN WIRE (SEE NOTE 3)

RELEASE PAPER (MFG. OPTION)

BRAID

FILM FOIL

CONDUCTORS

CABLE: TWISTED PAIRS

THICKNESS .026 [0.66] MIN. PVC JACKET

Ø DIM. "A"

PVC JACKET

RELEASE PAPER (MFG. OPTION)

BRAID

FILM FOIL

CABLE: TWISTED PAIRS

The drawing consists of two views of a cable assembly. The left view is a cross-section showing a central core of twisted pairs (conductors) surrounded by a film foil, a braid, and a release paper. An optional drain wire is shown at the top. The entire assembly is encased in a PVC jacket with a minimum thickness of .026 [0.66]. The right view is a side view showing the cable's profile, including the PVC jacket, release paper, braid, and film foil, leading to the twisted pairs. The diameter is labeled as Ø DIM. "A".

3600X/XX XX DW

NUMBER OF CONDUCTORS
(SEE TABLE 1)

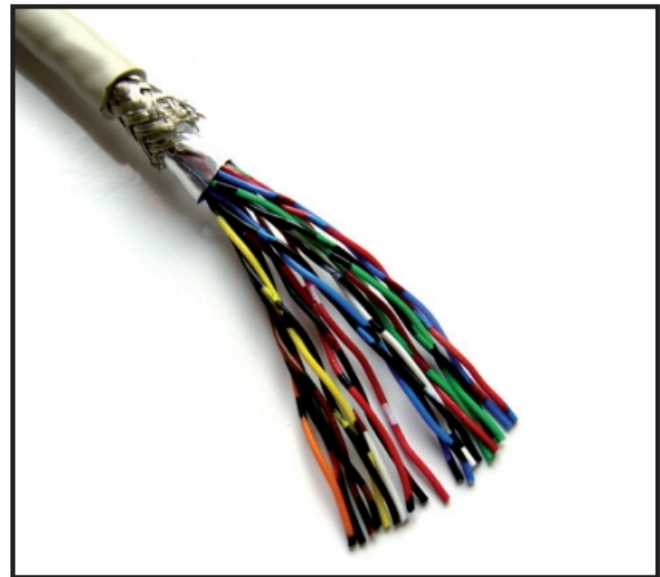
DESCRIBE WIRE DETAIL

PAIR IDENTIFICATION

PAIR	COND	1st CONDUCTOR		COND	2nd CONDUCTOR		PAIR	COND	1st CONDUCTOR		COND	2nd CONDUCTOR	
		SOLID	BAND		SOLID	BAND			SOLID	BAND		SOLID	BAND
1	1	BLACK	RED	2	RED	BLACK	26	51	BROWN	YELLOW	52	YELLOW	BROWN
2	3	BLACK	WHITE	4	WHITE	BLACK	27	53	BROWN	ORANGE	54	ORANGE	BROWN
3	5	BLACK	GREEN	6	GREEN	BLACK	28	55	ORANGE	YELLOW	56	YELLOW	ORANGE
4	7	BLACK	BLUE	8	BLUE	BLACK	29	57	VIOLET	ORANGE	58	ORANGE	VIOLET
5	9	BLACK	YELLOW	10	YELLOW	BLACK	30	59	VIOLET	RED	60	RED	VIOLET
6	11	BLACK	BROWN	12	BROWN	BLACK	31	61	VIOLET	WHITE	62	WHITE	VIOLET
7	13	BLACK	ORANGE	14	ORANGE	BLACK	32	63	VIOLET	GREEN	64	GREEN	VIOLET
8	15	RED	WHITE	16	WHITE	RED	33	65	VIOLET	BLUE	66	BLUE	VIOLET
9	17	RED	GREEN	18	GREEN	RED	34	67	VIOLET	YELLOW	68	YELLOW	VIOLET
10	19	RED	BLUE	20	BLUE	RED	35	69	VIOLET	BROWN	70	BROWN	VIOLET
11	21	RED	YELLOW	22	YELLOW	RED	36	71	VIOLET	BLACK	72	BLACK	VIOLET
12	23	RED	BROWN	24	BROWN	RED	37	73	GRAY	WHITE	74	WHITE	GRAY
13	25	RED	ORANGE	26	ORANGE	RED	38	75	GRAY	BROWN	76	BROWN	GRAY
14	27	GREEN	WHITE	28	WHITE	GREEN	39	77	GRAY	RED	78	RED	GRAY
15	29	GREEN	BLUE	30	BLUE	GREEN	40	79	GRAY	ORANGE	80	ORANGE	GRAY
16	31	GREEN	YELLOW	32	YELLOW	GREEN	41	81	GRAY	YELLOW	82	YELLOW	GRAY
17	33	GREEN	BROWN	34	BROWN	GREEN	42	83	GRAY	GREEN	84	GREEN	GRAY
18	35	GREEN	ORANGE	36	ORANGE	GREEN	43	85	GRAY	BLUE	86	BLUE	GRAY
19	37	WHITE	BLUE	38	BLUE	WHITE	44	87	TAN	ORANGE	88	ORANGE	TAN
20	39	WHITE	YELLOW	40	YELLOW	WHITE	45	89	TAN	GREEN	90	GREEN	TAN
21	41	WHITE	BROWN	42	BROWN	WHITE	46	91	TAN	BLACK	92	BLACK	TAN
22	43	WHITE	ORANGE	44	ORANGE	WHITE	47	93	TAN	BLUE	94	BLUE	TAN
23	45	BLUE	YELLOW	46	YELLOW	BLUE	48	95	TAN	WHITE	96	WHITE	TAN
24	47	BLUE	BROWN	48	BROWN	BLUE	49	97	TAN	YELLOW	98	YELLOW	TAN
25	49	BLUE	ORANGE	50	ORANGE	BLUE	50	99	TAN	BROWN	100	BROWN	TAN

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1.	REGULATORY INFORMATION: VISIT 3M.com/regs
2	IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
3	OPTIONAL DRAIN WIRE, SPECIAL ORDER: 28 AWG, 7 X 36 AWG (7 X Ø0.127) TPC.



SHIELDING: 0.001 [0.03] THICK ALUMINUM/POLYESTER FILM FOIL
AND 90% COVERAGE TINNED COPPER BRAID

NOTE: UNBALANCED IS MEASURED BETWEEN CONDUCTORS WITHIN A PAIR WITH ONE CONDUCTOR CONNECTED TO THE SHIELD.
BALANCED IS MEASURED BETWEEN CONDUCTORS WITHIN A PAIR WITH THE SHIELD FLOATING.

FLAMMABILITY RATING: USA: N.E.C. 725, CL2
CANADA: FT1

UL[®] CL2 75°C 28 AWG 3M NU **UL**[®] AWM II A/B 80°C 150V FT1 EU <50V

NUMBER OF CONDUCTORS	3M PART NUMBER	DIM. "A" ±.02
14 (7) PAIR	3600X/14	.22 [5.6]
20 (10) PAIR	3600X/20	.24 [6.1]
24 (12) PAIR	3600X/24	.25 [6.4]
26 (13) PAIR	3600X/26	.25 [6.4]
36 (18) PAIR	3600X/36	.29 [7.4]
40 (20) PAIR	3600X/40	.30 [7.6]
50 (25) PAIR	3600X/50	.32 [8.1]
68 (34) PAIR	3600X/68	.36 [9.1]
80 (40) PAIR	3600X/80	.39 [9.9]
100 (50) PAIR	3600X/100	.44 [11.2]

DIMENSIONS: INCHES [MM]
[MM] IS FOR REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACCESS CODES				DRFT CASTIGLIONE		DATE MAY 07, 2024		MFG		DATE			
				CHKD		DATE		APPRV. F. RODRIGUEZ		DATE MAY 07, 2024			
DIVISION		DIVISION CODE		3M Center		© 3M COPYRIGHT 2025		This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M									
SCALE		INCHES		St. Paul, MN 55144									
		.00 ±.1 .00 ±.05 .000 ±.010 .0000 ±.0005		TITLE		SHIELDED/JACKETED, ROUND, DISC. WIRE CABLE, 28AWG							
THIRD ANGLE PROJECTION		MILLIMETERS		.00 ± .00 ± .000 ± .000 ±									
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		CAGE NUMBER		SIZE		DRAWING NO.		REV.			
☒ ALL SURFACES		☐ MARKED ONLY		D		D		D78-5100-0388-8		D			
☒ MARKED ONLY		ANGLES ±		MODEL		3600X		DET. LISTS		☐ YES ☒ NO		SHT 1 OF 2	

28 AWG STRANDED, TWISTED PAIR, PVC/PVC

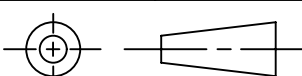
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D	116059	MAY 07, 2024	JNC	FJR
C	41014	MAY 24, 2012	TB	TB
B	23275	APR 24, 2009	RE	RE
		REVISE TABLE AND NOTES		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DEPT	CASTIGLIONE	DATE MAY 07, 2024	MPG	DATE
CHKD		DATE	APPR. F. RODRIGUEZ	DATE MAY 07, 2024
DIVISION		DIVISION CODE DEPT		
DO NOT SCALE		TOLERANCES EXCEPT AS NOTED		
DRAWING		INCHES 0.0 ±.1 0.00 ±.05 0.000 ±.010 0.0000 ±.0005		
		THIRD ANGLE PROJECTION		
INTERPRET PER ASME Y14.5 - 2018		TOLERANCES EXCEPT AS NOTED		
MAX. SURFACE ROUGHNESS		TOLERANCES EXCEPT AS NOTED		
ALL SURFACES		TOLERANCES EXCEPT AS NOTED		
MARKED ONLY		TOLERANCES EXCEPT AS NOTED		
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