

.050" 28 AWG STRANDED, MASS TERMINATABLE, HALOGEN FREE PO/PO



- NOTE :

MARKING :

STANDARD: NONE

CONDUCTORS: 28 AWG, 7 X 36 AWG (7 X  $\phi$  .127) TINNED STRANDED COPPER

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.

[illegible]

# 3M™ ROUND, SHIELDED/JACKETED, FLAT CABLE, HF659 SERIES

.050" 28 AWG STRANDED, MASS TERMINATABLE, HALOGEN FREE PO/PO

Regulatory: For regulatory information about this product, visit [3M.com/regs](http://3M.com/regs) or contact your 3M representative.


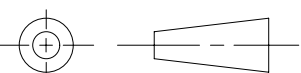





Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within User's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

**Warranty, Limited Remedy, and Disclaimer:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Electronics Materials Solutions Division  
6801 River Place Blvd.  
Austin, TX 78726-9000  
1-800-225-5373  
[www.3M.com/interconnect](http://www.3M.com/interconnect)

E		80157		AUG 01, 2018		JNC		BM	
D		79295		MAY 29, 2018		JNC		BM	
				REVISED AND REDRAWN					
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DRAFT		CASTIGLIONE		DATE MAY 29, 2018		MFG		DATE	
CHKD				DATE		APPROV. B. MIZE		DATE MAY 29, 2018	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2018					
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		 This document and the information it contains are 3M property and may not be reproduced or further disclosed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
THIRD ANGLE PROJECTION		INCHES		TITLE					
 INTERPRET PER ASME Y14.5 - 2009		 MILLIMETERS		ROUND, SHIELDED / JACKETED, FLAT, CABLE, .050", HF659					
MAX SURFACE ROUGHNESS		 MILLIMETERS		CAGE NUMBER		SIZE		DRAWING NO.	
 MARKED SURFACES <input checked="" type="checkbox"/> MARKED ONLY		 ANGLES		 D 78-5100-2335-7		REV.		E	
MODEL		HF659		DET. LISTS		YES		NO	
								SHT 2 OF 2	