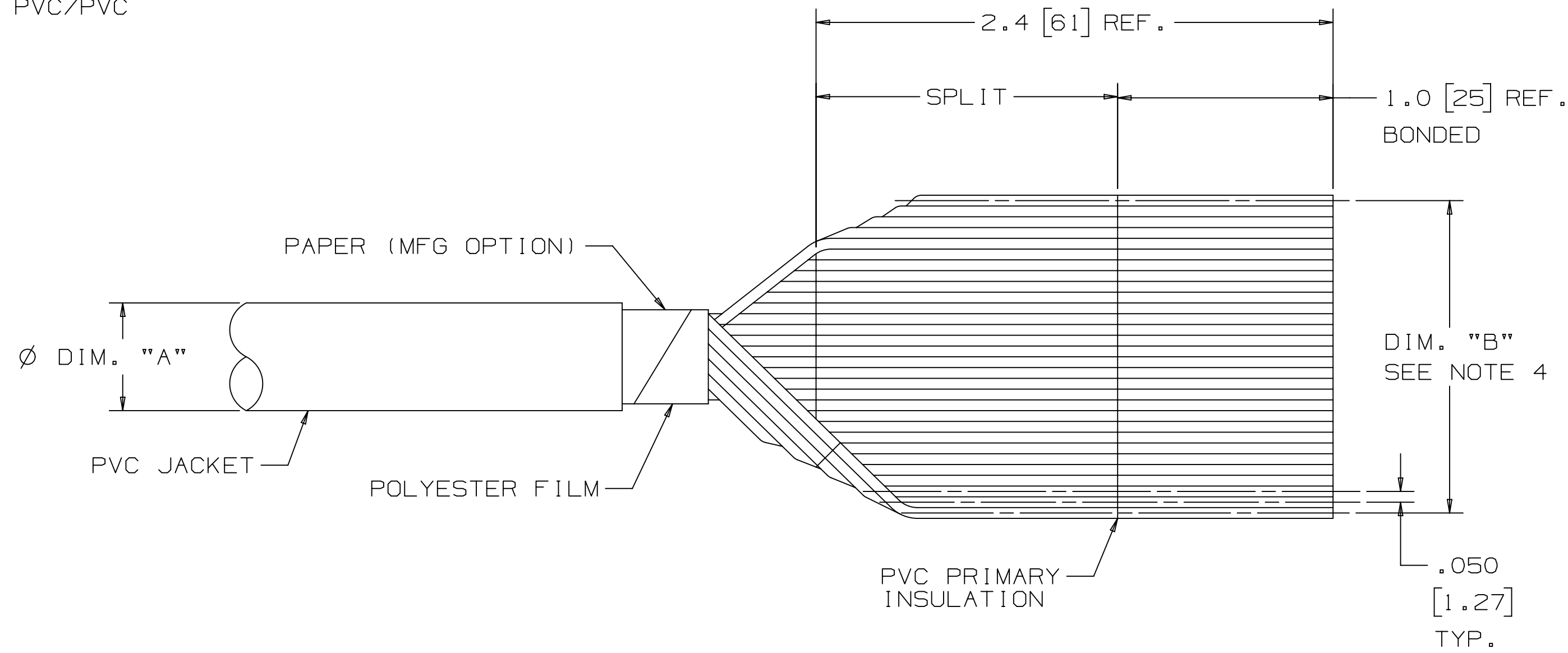


.050" 28 AWG STRANDED, MASS TERMINATED, PVC/PVC



-
- A close-up photograph of a black cable with a red and white braided shield. The cable is shown from a side-on perspective, with the black outer jacket partially stripped back to reveal the internal braided shield. The shield consists of a red inner layer and a white outer layer, both braided together. The cable is set against a plain white background.

3759 / XX XX XX

NUMBER OF CONDUCTORS
(SEE TABLE 1)

- BLANK = STANDARD
SF = SPLICE FREE

BLANK = CONTINUOUS SPLIT/BONDED WIRE (STANDARD)
SO = CONTINUOUSLY BONDED WIRE (NO SPLIT)

NOTE:
AVAILABLE IN COMMON LENGTHS OF 100 FT/ROLL OR 300 FT/ROLL
(30 M/ROLL OR 91 M/ROLL), PLEASE SPECIFY WHEN ORDERING.

| NUMBER OF CONDUCTORS | 3M PART NUMBER | DIM. "A" ±.03 | DIM. "B" SEE NOTE 4 |
|----------------------|----------------|------------------|------------------------|
| 9 | 3759/09 | 0.26 [6.6] | 0.40 [10.2] |
| 10 | 3759/10 | 0.26 [6.6] | 0.45 [11.4] |
| 14 | 3759/14 | 0.27 [6.9] | 0.65 [16.5] |
| 15 | 3759/15 | 0.27 [6.9] | 0.70 [17.8] |
| 16 | 3759/16 | 0.27 [6.9] | 0.75 [19.1] |
| 20 | 3759/20 | 0.30 [7.6] | 0.95 [24.1] |
| 24 | 3759/24 | 0.33 [8.4] | 1.15 [29.2] |
| 25 | 3759/25 | 0.33 [8.4] | 1.20 [30.5] |
| 26 | 3759/26 | 0.33 [8.4] | 1.25 [31.8] |
| 30 | 3759/30 | 0.37 [9.4] | 1.45 [36.8] |
| 34 | 3759/34 | 0.37 [9.4] | 1.65 [41.9] |
| 36 | 3759/36 | 0.39 [9.9] | 1.75 [44.5] |
| 37 | 3759/37 | 0.39 [9.9] | 1.80 [45.7] |
| 40 | 3759/40 | 0.39 [9.9] | 1.95 [49.5] |
| 50 | 3759/50 | 0.44 [11.2] | 2.45 [62.2] |
| 60 | 3759/60 | 0.47 [11.9] | 2.95 [74.9] |
| 64 | 3759/64 | 0.50 [12.7] | 3.15 [80.0] |

2 PHYSICAL :

JACKET MATERIAL: POLYVINYL CHLORIDE (PVC)
COLOR: BLACK
PRIMARY MATERIAL: POLYVINYL CHLORIDE (PVC)
COLOR: GRAY

MARKING: SEE "PRINTING ILLUSTRATION" BELOW
STANDARD: 28 AWG, 7 X 36 AWG [7 X Ø0.127] TIN
CONDUCTORS: STRANDED COPPER CONDUCTORS
INNER WRAP: POLYESTER FILM

2 ELECTRICAL :

VOLTAGE RATING: USA: N.E.C. 725, CL2 OR AWM; 300V CANADIAN 300V, EU: <50V
INSULATION RESISTANCE: (PRIMARY CABLE) $>1 \times 10^{10} \Omega / 10 \text{ ft. [3m]}$

| | UNBALANCED | BALANCED |
|---------------------------|--------------------------|--------------------------|
| CHARACTERISTIC IMPEDANCE: | 90Ω | 133Ω |
| CAPACITANCE: | 16.7 pF/ft [54.8 pF/m] | 11.9 pF/ft [39.0 pF/m] |
| INDUCTANCE: | 0.13μH/ft [0.44μH/m] | 0.21μH/ft [0.69μH/m] |
| PROPAGATION DELAY: | 1.50 ns/ft [4.92 ns/m] | 1.58 ns/ft [5.18 ns/m] |
| VELOCITY OF PROPAGATION: | 68% | 64% |

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.
BALANCED IS MEASURED BETWEEN SIGNAL CONDUCTORS WITHIN A PAIR.

2 ENVIRONMENTAL :

TEMPERATURE RATING: USA: CL2: 75° C OR AWM -20° TO +80° C
CANADA: 80° C

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

"PRINTING ILLUSTRATION"

UL[®] CL2 75°C 28 AWG OR AWM 20267 3M NU **UL**[®] AWM II A/B 80°C 300V FT1 EU <50V




UL FILE NO: E118773,
POWER LIMITED CIRCUIT
CABLE: CL2 (OR AWM STYLE 20267)

NOTES

NOTES

1. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.
2. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.
3. RED MARKING ON ONE EDGE OF
PRIMARY CABLE DESIGNATES
WIRE #1.
4. DIMENSION "B" PERTAINS TO
BONDED AREA ONLY.

| | | | | | |
|---|--------------|--|------------------------|---|------------|
| G | I19117 | MAR 18, 2025 | | JNC | FJR |
| | | REVISED AND REDRAWN | | | |
| G | 78598 | APR 16, 2018 | | SBC | FJR |
| | | ERROR CORRECTION | | | |
| REV | ECO | ISSUE DATE AND DESCRIPTION | | DRFT | CHKD |
| DRFT | CAS1GLIG1ONE | DATE MAR 18, 2025 | MFG DATE | | |
| CHKD | | DATE | APPRV. F. RODRIGUEZ | DATE MAR 18, 2025 | |
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| TITLE | | | | | |
| ROUND JACKETED, FLAT CABLE, .050" PITCH, 28AWG, | | | | | |
| CAGE NUMBER | SIZE | DRAWING NO. | | | REV. |
| D | 5100 | 0070-2 | | | G |
| MODEL | 3759 | DET. LISTS | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | SHT 1 OF 2 |


.050" 28 AWG STRANDED, MASS TERMINATED, PVC/PVC

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INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

| | | | | | |
|--|---------------|---|---|------------|-------------|
| G | 119117 | MAR 18,2025 | | JNC | FJR |
| REVISED AND REDRAWN | | | | | |
| F | 7859B | APR 16,2018 | | SBC | FJR |
| ERROR CORRECTION | | | | | |
| REV | ECO | ISSUE DATE AND DESCRIPTION | | DRFT | CHKD |
| DRFT | CST1GL1ONE | DATE | MAR 18,2025 | MFG | DATE |
| CHKD | | DATE | APRVA F. RODRIGUEZ | DATE | MAR 18,2025 |
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| TITLE | | | | | |
| ROUND JACKETED, FLAT CABLE, .050" PITCH, 28AWG, | | | | | |
| CAGE NUMBER | SIZE | DRAWING NO. | | | REV. |
| D | 3759 | 278-5100-0070-2 | | | G |
| MODEL | DET. LISTS | | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | SHT 2 OF 2 | |