

## RAYCHEM SINGLE PAIR ETHERNET (SPE) CABLES

ENABLING $100 \mathrm{MB} / \mathrm{S}$ OR $1 \mathrm{~GB} / \mathrm{S}$ ETHERNET CONNECTIVITY USING A SINGLE PAIR ETHERNET DESIGN

Enabling $100 \mathrm{Mb} / \mathrm{s}$ or $1 \mathrm{~Gb} / \mathrm{s}$ ethernet connectivity using a Single Pair ethernet design


## MARKETS SERVED

- Military Aerospace
- Commercial Aerospace
- Defense
- Low Earth Orbit Satellites
- eVTOL


## RUGGED

- Meets many stringent aerospace industry flammability, smoke and toxicity requirements


## REDUCED SIZE AND WEIGHT

- Compared to existing multi-pair ethernet systems
- Termination time: Octax/Quadrax: 15-20 minutes vs. 369: 2-5 minutes


## REDUCED INSTALLATION TIME

- Single pair cable vs. 2 or 4 pair Ethernet cables


## VERSATILE

- End to end solution using TE ARINC 854 connectors



## Raychem Single Pair Ethernet (SPE) Cables



| TE Description | TE Part Number | Temperature <br> Range $\left({ }^{\circ} \mathbf{C}\right)$ | Jacket OD (in/ <br> $\mathbf{m m})$, Nom. | ARINC 854 Connector <br> Compatibility | Molded Boot <br> Compatibility |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 0024B8424-9 | EP3169-000 | -65 to $+150^{\circ} \mathrm{C}$ | $0.161(4.089)$ | YD369-MP99-NP10000 | $202 \mathrm{D} 971-4 / 86-0$ |
| OO26G8424-9 | EP3166-000 | -65 to $+150^{\circ} \mathrm{C}$ | $0.135(3.429)$ | YD369-MP99-NP10000 | $202 D 971-4 / 86-0$ |

Additional constructions and custom designs available upon request - please contact your local account representative for questions


End-to-End Solutions


Molded Parts

## 369 Series Shielded Connectors

- 100Base-T1 standard
- 15 m link with four connector breaks
- Reduces termination complexity
- (369) 2-5 minutes vs. (Quadrax) 6-10 minutes


## Molded Parts

- Molded part shape designed specifically for use with 369 connector and Single-Pair Ethernet cable
- Flexible polyolefin (-4) material provides strain relief, environmental sealing, and abrasion resistance
- High temperature adhesive (/86) for bonding with cable jacket or heat shrink tubing
- Low profile design and 2:1 heat shrink ratio for ease of installation


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RAYCHEM SINGLE PAIR

## ETHERNET (SPE) CABLES

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