AJWASYS
INDUSTRIAL SURVEILLANCE • COMMUNICATION • NETWORK & SAFETY SYSTEMS

STRUCTURED CABLING • PRODUCT CATALOGUE

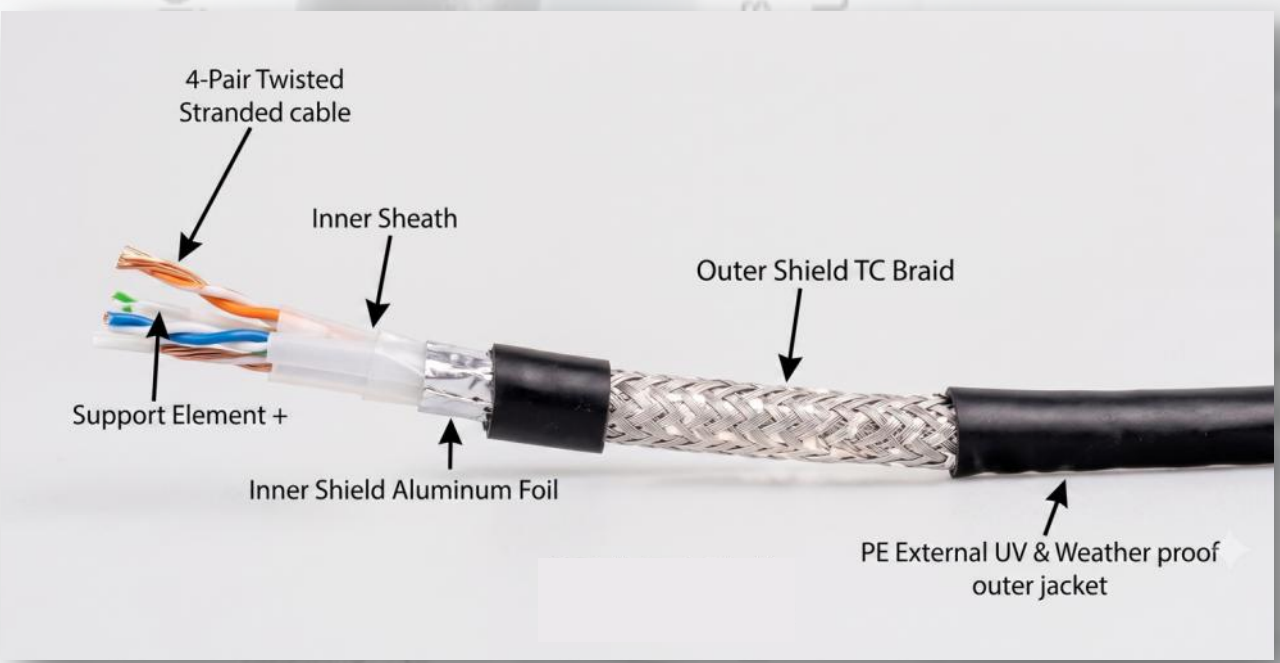
S/FTP CAT6A High-Performance Network Cable

Shielded & Foiled Twisted Pair | 23 AWG | 4 Pair (8C) | 550 MHz | 10 Gigabit Ethernet

PRODUCT ITEM CODE

AJSSFTPC

- ✓ Aluminium foil shield — eliminates crosstalk & EMI
- ✓ Riser-rated for demanding industrial installations
- ✓ Supports 4PPoE / PoE++ up to 90 W (IEEE 802.3bt)



PRODUCT OVERVIEW

Shielded and Foiled Twisted Pair (S/FTP) is a hybrid construction that combines the benefits of S/UTP and F/UTP. Each twisted pair is individually wrapped in foil, and the full bundle is enclosed by an overall screen — occasionally a loose braid. This dual-layer shielding delivers the highest level of protection against electromagnetic and radio-frequency interference, a defining feature of top-tier performance cabling.

The AJSSFTPC is a riser-rated CAT6 LAN cable built with 23 AWG conductors across 4 pairs (8C). Its overall aluminium (AL) foil shield eliminates crosstalk and prevents electromagnetic interference (EMI), making it ideally suited to electrically noisy oil & gas, drilling-rig and heavy-industrial environments where signal integrity is critical.

KEY FEATURES

Dual Shielding
Foiled pairs plus an overall screen for the highest security against interference.

High Bandwidth
Tested up to 550 MHz to support reliable high-frequency data transmission.

Power over Ethernet
PoE / PoE+ / PoE++ (802.3af/at/bt) and 4PPoE delivering up to 90 W.

10 Gigabit Ready
10 GbE up to 165 ft; 1 & 5 GbE up to 328 ft depending on environment.

EMI / Crosstalk Free
Aluminium foil shield eliminates crosstalk and blocks electromagnetic noise.

Riser Rated
Robust riser-rated jacket suited to vertical runs and industrial routing.

CONSTRUCTION **4 twisted pairs · individual foil · overall aluminium screen · 23 AWG solid conductors · riser-rated outer jacket**

TECHNICAL SPECIFICATIONS

AJSSFTPC — S/FTP CAT6A HIGH-PERFORMANCE NETWORK CABLE

Product Item Code	AJSSFTPC
Cable Category	CAT6A — Shielded & Foiled Twisted Pair (S/FTP)
Conductor	23 AWG, solid copper
Pairs / Conductors	4 Pairs (8 Conductors / 8C)
Shielding	Individual pair foil + overall aluminium (AL) foil screen
Tested Bandwidth	Up to 550 MHz
10 Gigabit Ethernet	Up to 165 ft (≈50 m), install-environment dependent
1 & 5 Gigabit Ethernet	Up to 328 ft (≈100 m)
PoE Support	PoE / PoE+ / PoE++ (IEEE 802.3af / at / bt), 4PPoE
Max PoE Power	Up to 90 W
Fire Rating	Riser Rated (CMR)
EMI / Crosstalk	Foil shield eliminates crosstalk & prevents EMI
Ideal Application	Oil & gas, drilling rigs, industrial & high-interference sites

RECOMMENDED APPLICATIONS



IP CCTV & Surveillance

High-bandwidth backbone for HD/4K PoE cameras on rigs and yards.



Industrial Networking

Wi-Fi 6 access points, PoE switches and structured cabling.



SIP Intercoms & IP Phones

Reliable PoE-powered voice communication across facilities.



Oil & Gas Field Sites

Shielded performance in electrically noisy drilling environments.

ORDER CODE: AJSSFTPC

To request pricing, datasheets or a project quotation, contact AJWASYS — your authorised partner for industrial surveillance, network and safety systems across Saudi Arabia, Qatar, Bahrain and India.

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