

Category 3 High Performance FTP Switchboard Cable

24 AWG STC, Shielded, Riser



ADC provides exceptional 100-Ohm central office copper cables for both analog and digital services. Reducing electromagnetic interference (noise) and maintaining signal integrity enriches data throughput. The improved crosstalk and attenuation of ADC's central office copper cables helps to eliminate throughput bottlenecks at high speeds. Enhanced throughput translates to decreased service downtime and increased customer satisfaction.

As high-speed services move closer and closer to the subscriber premise, size and space become significant obstacles. Many of ADC's central office copper cables have been designed with smaller outside diameters and cross-sectional areas without giving up performance to meet the demanding space requirements of cabinets and remote terminals. ADC's central office copper cables are chosen for their excellent quality, performance, size, and flexibility in many applications, including digital voice, data and video. In addition, ADC's central office copper cables adhere to industry standards and known environmental regulations.

SPEC SHEET



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Benefits:

- Combines innovative design and application engineering to deliver a cabling solution that exceeds your network's physical layer requirements.
- Offers improved crosstalk and attenuation performance to deliver the bandwidth required for digital voice, data and video.
- Helps to eliminate throughput bottlenecks and service downtime, improving customer satisfaction.
- Consistent product quality.
 - No missing insulation, no excess adhesion
 - Tangle-free, kink-free
 - Jacket and insulation concentricity and cable roundness
 - Small outside diameter and cross-sectional area in bundles and cable
 - Streamlined engineering, production, and quality processes
 - In-process manufacturing quality inspections
- Meets or exceeds industry requirements and environmental regulations.
 - Heavy-metal free (i.e. cadmium, lead, mercury, etc.)
 - Compliant to Directive 2002/95/EC Restriction of the use of certain Hazardous Substances (RoHS) and other known environmental regulations
- Provides exceptional design and enhanced electrical and mechanical performance.
- Adheres to strict industry tolerance standards and customer specifications for use throughout major service provider networks around the world

Common Application:

- Central office, including main distribution frames, collocation, digital switching and transmission equipment
- Outside plant networks, including CEV's, cabinets, remote terminals, and at customer premise
- Excellent for all copper broadband applications, including digital voice, digital data (i.e. xDSL), and video (i.e. IPTV)
- FTTN, where copper cable is required from the ONT to the MDU
- Cable assemblies to connect active equipment in CO, OSP and customer premise
- xDSL, particularly ADSL and ADSL2
- T1 Fractional
- POTS (Voice-grade)

Compliances:

- UL Subject 444/CSA C22.2 No. 214
- (UL)-C(UL) Type CMR
- NEC 800 type CMR
- ICEA S-90-661
- ANSI/TIA-568-C.2 Category 3 Backbone Cable



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Specifications

CONSTRUCTION CHARACTERISTICS

Conductors:	24 AWG solid tinned copper
Insulation:	Polyolefin
Insulation diameter:	0.91 mm (.036") nominal
Pairing:	8.2 twists/meter (2.5 twists/foot) minimum
Shielding:	Single aluminum/polyester
Drain wire:	24 AWG solid tinned copper
Color-coding:	Standard telephony
Rip cord:	Applied under jacket
Jacket:	Lead-free flame retardant PVC

ELECTRICAL CHARACTERISTICS

Conductor DC resistance (maximum):	9.38 Ω /100 m (28.6 Ω /1000') @ 20° C (68° F)
DC Resistance unbalance (maximum):	5%
Mutual capacitance (typical):	5.2 nF/100 m (16.0 pF/ft) nominal @ 1 kHz
Characteristic impedance:	100 \pm 15 Ohms @ 1 MHz
Rating temperature:	75° C (167° F)
Rating voltage:	300 VDC

Frequency (MHz)	Attenuation Maximum (dB/100 m)	PSUM NEXT Minimum (dB)	SRL Minimum (dB)
1.0	2.6	41	12
4.0	5.6	32	12
8.0	8.5	27	12
10.0	9.7	26	12
16.0	13.1	23	10

Ordering Information

Description	Number of Pairs	Unit Makeup	Outer Diameter mm (inches)	Weight Kg/Km (lbs/1000')	Catalog Number
24 AWG STC, Shielded, Riser Jacket color: Gray Packaging: Reel	25	None	10.5 (.415)	201 (135)	T2524DA-GYXX
	50	2 @ 12, 2 @ 13	14.2 (.560)	357 (240)	T5024DA-GYXX

*To designate reel length, replace XX as follows:

- 02 = 304 m (1000 ft)
- 04 = 609 m (2000 ft)
- 05 = 762 m (2500 ft)
- 06 = 914 m (3000 ft)
- 10 = 1524 m (5000 ft)

SPEC SHEET



Website: www.adc.com

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080
 Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101
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