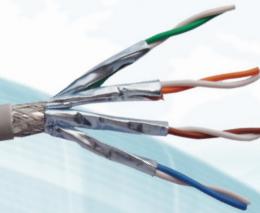




PowerMAX⁷™



DINTEK PowerMAX⁷™ Category7 cable is specifically designed to support current and future high speed network applications such as 10-Gigabit Ethernet.

The cable is constructed of 4 screened pairs and a drain wire. DINTEK PowerMAX⁷™ Category7 S/FTP cable eliminates alien crosstalk, gives excellent signal isolation and provides superior electromagnetic interference protection.

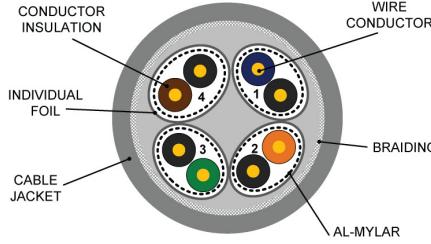
STANDARDS

- Flame Retardancy is verified according to IEC 60332-1-2
- ISO/IEC11801 Class F, 2nd edition
- ANSI/TIA/EIA Cabling Standard 568-C.2
- 3P Certified for Category 7 S/FTP installation Cable

APPLICATION

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-T Gigabit Ethernet
- 1000BASE-TX Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice

CONSTRUCTION



ORDERING INFORMATION

PART No.	DESCRIPTION
1105-05001	Cat.7.4.PS/FTP.23AWG Solid LSHF (LSZH) gray
	305Mtr Roll On Wooden drum w/Tinned copper
	Braiding DINTEK logo

SFTP CABLE

CONSTRUCTION

- Twisted pair color code:
Pair 1> blue, white/blue ring.
Pair 2> orange, white/orange ring
Pair 3> green, white/green ring
Pair 4> brown, white/brown ring
- Conductor:23AWG solid Bare copper 0.419mm±0.02mm
- Insulation material: Foam-Skin PE
- Diameter of dielectric core: 1.42±0.05mm
- Number of twist pairs: 4 pairs
- Individual Shielding: A layer of aluminum mylar tape
- Assembly: 4 pairs of dielectric core shall be stranded in circular form.
- Overall Shielding: Tinned copper wire Braiding, normal with min. 40% coverage.
- Material of jacket: LSHF (LSZH)
- Overall Diameter: Ave 7.4±0.3mm
- Color: Assorted upon request

TECHNICAL DATA

- Unaged Jacket Elongation: min 125%(LSHF)
- Jacket tensile strength: min 0.917Kg/mm²(LSHF)
- After aging jacket tensile strength: Min tensile strength: 70%(LSHF)
- After aging jacket elongation: Min elongation retention :75%(LSHF)
- Spark test:2000 ± 250 V ac
- Impedance: 125 Ohm 20%(64KHz). 100 Ohm 15%(1~250MHz). 100 Ohm 25%(300-600MHz)
- D.C.R (Max.) : 9.38Ohm /100m at 20deg C
- D.C.R. Unbalance (Max.) : 2% MAX.
- Mutual Capacitance: nom. 5600pf/100m
- Capacitance, unbalance (Max.): 160 pF/100m
- DC Insulation Resistance (Min.): 5000Mohm/km
- Dielectric Strength: 1500 Vdc / 2 seconds

TRANSMISSION PERFORMANCE

Frequency (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
1 MHz	2.0*	74.3*	72.3*
4 MHz	3.8*	65.3*	63.3*
10 MHz	6.0*	59.3*	57.3*
16 MHz	7.6*	56.2	54.2*
20 MHz	8.5*	54.8*	52.8*
31.25 MHz	10.7*	51.9*	49.9*
62.5 MHz	15.4*	47.4*	45.4*
100 MHz	19.8*	44.3*	42.3*
200 MHz	29.0*	39.3*	37.3*
300 MHz	36.4*	37.1*	35.1*
600 MHz	54.5*	32.6*	30.6*

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:
 $NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15LOG10(f \text{ MHz}/0.772) \text{ dB}$

DINTEK Switzerland

St. Oswalds Gasse 17, CH - 6300 Zug , Switzerland

TEL : +41-41-7101073 FAX : +41-41-7101073

<http://www.dintek-switzerland.ch> E-mail: sales@dintek-switzerland.ch

CATEGORY 7 CABLE

DINTEK Category 7 Product Benefits

- Meets ANSI/TIA/EIA Cabling Standard 568-C.2
- Has been Independently confirmed for system performance
- DINTEK CAT.7 products can be warranted for 25 years as part of a DINTEK Structured Network
- DINTEK CAT.7 cable is Interoperable with DINTEK and other standards compliant products
- Higher Bandwidth of up to 600 MHz as compared with Cat 5e (100 MHz), Cat 6 (250 MHz) & Cat.6A (500MHz)
- Moving from existing copper based LAN without having to change the existing electronics
- 3P Certified for Category 7 S/FTP installation Cable



Compliance Statement

Screened Category 7
ISO/IEC, EN & Enhanced ANSI/TIA
Communication Cable

DINTEK Identification P/N 1105-05001X
Category 7, Individual Foil and Overall Foil Screened
100 Ω, 1:1 Twisted Pair, AWG 23, LSZH, LSHF, Copper Cable

DINTEK Electronic Ltd,
No.8, Lane 97, Wu-Kong Rd., Wu-Ku Industrial District,
Hsin Chuang, Taipei Hsien, Taiwan, R.O.C.

Compliance Statement ID:1105-05001X
This Statement of Compliance applies to the IP Thiel Partic Testing and
complies with the Category 7 performance requirements of either IEC or DINTEK Generic Cabling
standard. This Statement of Compliance is issued under the authority of DINTEK and is based on the results of
the testing performed by IP Thiel Partic Testing. The Category 7 requirements of DINTEK Generic Cabling Standard 568-C.2 and the requirements
of IEC 61156-1, IEC 61156-2, IEC 61156-4, IEC 61156-5, IEC 61156-6, IEC 61156-7, IEC 61156-8, IEC 61156-9, IEC 61156-10, IEC 61156-11, IEC 61156-12, IEC 61156-13, IEC 61156-14, IEC 61156-15, IEC 61156-16, IEC 61156-17, IEC 61156-18, IEC 61156-19, IEC 61156-20, IEC 61156-21, IEC 61156-22, IEC 61156-23, IEC 61156-24, IEC 61156-25, IEC 61156-26, IEC 61156-27, IEC 61156-28, IEC 61156-29, IEC 61156-30, IEC 61156-31, IEC 61156-32, IEC 61156-33, IEC 61156-34, IEC 61156-35, IEC 61156-36, IEC 61156-37, IEC 61156-38, IEC 61156-39, IEC 61156-40, IEC 61156-41, IEC 61156-42, IEC 61156-43, IEC 61156-44, IEC 61156-45, IEC 61156-46, IEC 61156-47, IEC 61156-48, IEC 61156-49, IEC 61156-50, IEC 61156-51, IEC 61156-52, IEC 61156-53, IEC 61156-54, IEC 61156-55, IEC 61156-56, IEC 61156-57, IEC 61156-58, IEC 61156-59, IEC 61156-60, IEC 61156-61, IEC 61156-62, IEC 61156-63, IEC 61156-64, IEC 61156-65, IEC 61156-66, IEC 61156-67, IEC 61156-68, IEC 61156-69, IEC 61156-70, IEC 61156-71, IEC 61156-72, IEC 61156-73, IEC 61156-74, IEC 61156-75, IEC 61156-76, IEC 61156-77, IEC 61156-78, IEC 61156-79, IEC 61156-80, IEC 61156-81, IEC 61156-82, IEC 61156-83, IEC 61156-84, IEC 61156-85, IEC 61156-86, IEC 61156-87, IEC 61156-88, IEC 61156-89, IEC 61156-90, IEC 61156-91, IEC 61156-92, IEC 61156-93, IEC 61156-94, IEC 61156-95, IEC 61156-96, IEC 61156-97, IEC 61156-98, IEC 61156-99, IEC 61156-100, IEC 61156-101, IEC 61156-102, IEC 61156-103, IEC 61156-104, IEC 61156-105, IEC 61156-106, IEC 61156-107, IEC 61156-108, IEC 61156-109, IEC 61156-110, IEC 61156-111, IEC 61156-112, IEC 61156-113, IEC 61156-114, IEC 61156-115, IEC 61156-116, IEC 61156-117, IEC 61156-118, IEC 61156-119, IEC 61156-120, IEC 61156-121, IEC 61156-122, IEC 61156-123, IEC 61156-124, IEC 61156-125, IEC 61156-126, IEC 61156-127, IEC 61156-128, IEC 61156-129, IEC 61156-130, IEC 61156-131, IEC 61156-132, IEC 61156-133, IEC 61156-134, IEC 61156-135, IEC 61156-136, IEC 61156-137, IEC 61156-138, IEC 61156-139, IEC 61156-140, IEC 61156-141, IEC 61156-142, IEC 61156-143, IEC 61156-144, IEC 61156-145, IEC 61156-146, IEC 61156-147, IEC 61156-148, IEC 61156-149, IEC 61156-150, IEC 61156-151, IEC 61156-152, IEC 61156-153, IEC 61156-154, IEC 61156-155, IEC 61156-156, IEC 61156-157, IEC 61156-158, IEC 61156-159, IEC 61156-160, IEC 61156-161, IEC 61156-162, IEC 61156-163, IEC 61156-164, IEC 61156-165, IEC 61156-166, IEC 61156-167, IEC 61156-168, IEC 61156-169, IEC 61156-170, IEC 61156-171, IEC 61156-172, IEC 61156-173, IEC 61156-174, IEC 61156-175, IEC 61156-176, IEC 61156-177, IEC 61156-178, IEC 61156-179, IEC 61156-180, IEC 61156-181, IEC 61156-182, IEC 61156-183, IEC 61156-184, IEC 61156-185, IEC 61156-186, IEC 61156-187, IEC 61156-188, IEC 61156-189, IEC 61156-190, IEC 61156-191, IEC 61156-192, IEC 61156-193, IEC 61156-194, IEC 61156-195, IEC 61156-196, IEC 61156-197, IEC 61156-198, IEC 61156-199, IEC 61156-200, IEC 61156-201, IEC 61156-202, IEC 61156-203, IEC 61156-204, IEC 61156-205, IEC 61156-206, IEC 61156-207, IEC 61156-208, IEC 61156-209, IEC 61156-210, IEC 61156-211, IEC 61156-212, IEC 61156-213, IEC 61156-214, IEC 61156-215, IEC 61156-216, IEC 61156-217, IEC 61156-218, IEC 61156-219, IEC 61156-220, IEC 61156-221, IEC 61156-222, IEC 61156-223, IEC 61156-224, IEC 61156-225, IEC 61156-226, IEC 61156-227, IEC 61156-228, IEC 61156-229, IEC 61156-230, IEC 61156-231, IEC 61156-232, IEC 61156-233, IEC 61156-234, IEC 61156-235, IEC 61156-236, IEC 61156-237, IEC 61156-238, IEC 61156-239, IEC 61156-240, IEC 61156-241, IEC 61156-242, IEC 61156-243, IEC 61156-244, IEC 61156-245, IEC 61156-246, IEC 61156-247, IEC 61156-248, IEC 61156-249, IEC 61156-250, IEC 61156-251, IEC 61156-252, IEC 61156-253, IEC 61156-254, IEC 61156-255, IEC 61156-256, IEC 61156-257, IEC 61156-258, IEC 61156-259, IEC 61156-260, IEC 61156-261, IEC 61156-262, IEC 61156-263, IEC 61156-264, IEC 61156-265, IEC 61156-266, IEC 61156-267, IEC 61156-268, IEC 61156-269, IEC 61156-270, IEC 61156-271, IEC 61156-272, IEC 61156-273, IEC 61156-274, IEC 61156-275, IEC 61156-276, IEC 61156-277, IEC 61156-278, IEC 61156-279, IEC 61156-280, IEC 61156-281, IEC 61156-282, IEC 61156-283, IEC 61156-284, IEC 61156-285, IEC 61156-286, IEC 61156-287, IEC 61156-288, IEC 61156-289, IEC 61156-290, IEC 61156-291, IEC 61156-292, IEC 61156-293, IEC 61156-294, IEC 61156-295, IEC 61156-296, IEC 61156-297, IEC 61156-298, IEC 61156-299, IEC 61156-300, IEC 61156-301, IEC 61156-302, IEC 61156-303, IEC 61156-304, IEC 61156-305, IEC 61156-306, IEC 61156-307, IEC 61156-308, IEC 61156-309, IEC 61156-310, IEC 61156-311, IEC 61156-312, IEC 61156-313, IEC 61156-314, IEC 61156-315, IEC 61156-316, IEC 61156-317, IEC 61156-318, IEC 61156-319, IEC 61156-320, IEC 61156-321, IEC 61156-322, IEC 61156-323, IEC 61156-324, IEC 61156-325, IEC 61156-326, IEC 61156-327, IEC 61156-328, IEC 61156-329, IEC 61156-330, IEC 61156-331, IEC 61156-332, IEC 61156-333, IEC 61156-334, IEC 61156-335, IEC 61156-336, IEC 61156-337, IEC 61156-338, IEC 61156-339, IEC 61156-340, IEC 61156-341, IEC 61156-342, IEC 61156-343, IEC 61156-344, IEC 61156-345, IEC 61156-346, IEC 61156-347, IEC 61156-348, IEC 61156-349, IEC 61156-350, IEC 61156-351, IEC 61156-352, IEC 61156-353, IEC 61156-354, IEC 61156-355, IEC 61156-356, IEC 61156-357, IEC 61156-358, IEC 61156-359, IEC 61156-360, IEC 61156-361, IEC 61156-362, IEC 61156-363, IEC 61156-364, IEC 61156-365, IEC 61156-366, IEC 61156-367, IEC 61156-368, IEC 61156-369, IEC 61156-370, IEC 61156-371, IEC 61156-372, IEC 61156-373, IEC 61156-374, IEC 61156-375, IEC 61156-376, IEC 61156-377, IEC 61156-378, IEC 61156-379, IEC 61156-380, IEC 61156-381, IEC 61156-382, IEC 61156-383, IEC 61156-384, IEC 61156-385, IEC 61156-386, IEC 61156-387, IEC 61156-388, IEC 61156-389, IEC 61156-390, IEC 61156-391, IEC 61156-392, IEC 61156-393, IEC 61156-394, IEC 61156-395, IEC 61156-396, IEC 61156-397, IEC 61156-398, IEC 61156-399, IEC 61156-400, IEC 61156-401, IEC 61156-402, IEC 61156-403, IEC 61156-404, IEC 61156-405, IEC 61156-406, IEC 61156-407, IEC 61156-408, IEC 61156-409, IEC 61156-410, IEC 61156-411, IEC 61156-412, IEC 61156-413, IEC 61156-414, IEC 61156-415, IEC 61156-416, IEC 61156-417, IEC 61156-418, IEC 61156-419, IEC 61156-420, IEC 61156-421, IEC 61156-422, IEC 61156-423, IEC 61156-424, IEC 61156-425, IEC 61156-426, IEC 61156-427, IEC 61156-428, IEC 61156-429, IEC 61156-430, IEC 61156-431, IEC 61156-432, IEC 61156-433, IEC 61156-434, IEC 61156-435, IEC 61156-436, IEC 61156-437, IEC 61156-438, IEC 61156-439, IEC 61156-440, IEC 61156-441, IEC 61156-442, IEC 61156-443, IEC 61156-444, IEC 61156-445, IEC 61156-446, IEC 61156-447, IEC 61156-448, IEC 61156-449, IEC 61156-450, IEC 61156-451, IEC 61156-452, IEC 61156-453, IEC 61156-454, IEC 61156-455, IEC 61156-456, IEC 61156-457, IEC 61156-458, IEC 61156-459, IEC 61156-460, IEC 61156-461, IEC 61156-462, IEC 61156-463, IEC 61156-464, IEC 61156-465, IEC 61156-466, IEC 61156-467, IEC 61156-468, IEC 61156-469, IEC 61156-470, IEC 61156-471, IEC 61156-472, IEC 61156-473, IEC 61156-474, IEC 61156-475, IEC 61156-476, IEC 61156-477, IEC 61156-478, IEC 61156-479, IEC 61156-480, IEC 61156-481, IEC 61156-482, IEC 61156-483, IEC 61156-484, IEC 61156-485, IEC 61156-486, IEC 61156-487, IEC 61156-488, IEC 61156-489, IEC 61156-490, IEC 61156-491, IEC 61156-492, IEC 61156-493, IEC 61156-494, IEC 61156-495, IEC 61156-496, IEC 61156-497, IEC 61156-498, IEC 61156-499, IEC 61156-500, IEC 61156-501, IEC 61156-502, IEC 61156-503, IEC 61156-504, IEC 61156-505, IEC 61156-506, IEC 61156-507, IEC 61156-508, IEC 61156-509, IEC 61156-510, IEC 61156-511, IEC 61156-512, IEC 61156-513, IEC 61156-514, IEC 61156-515, IEC 61156-516, IEC 61156-517, IEC 61156-518, IEC 61156-519, IEC 61156-520, IEC 61156-521, IEC 61156-522, IEC 61156-523, IEC 61156-524, IEC 61156-525, IEC 61156-526, IEC 61156-527, IEC 61156-528, IEC 61156-529, IEC 61156-530, IEC 61156-531, IEC 61156-532, IEC 61156-533, IEC 61156-534, IEC 61156-535, IEC 61156-536, IEC 61156-537, IEC 61156-538, IEC 61156-539, IEC 61156-540, IEC 61156-541, IEC 61156-542, IEC